

Up-date to the service manual Studer A816

UP-DATE Tape Deck Section 6

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Stabilizer	1.811.790.81
MP-Unit TD Control	1.816.785.24
Capstan Motor Drive Amplifier PCB	1.820.774.27
Tacho Sensor Electronics	1.021.695.86

UP-DATE Master Section 7

MP Unit Master	1.816.786.24
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UP-DATE

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Prepared and edited by:

STUDER Professional Audio AG

Technical Documentation

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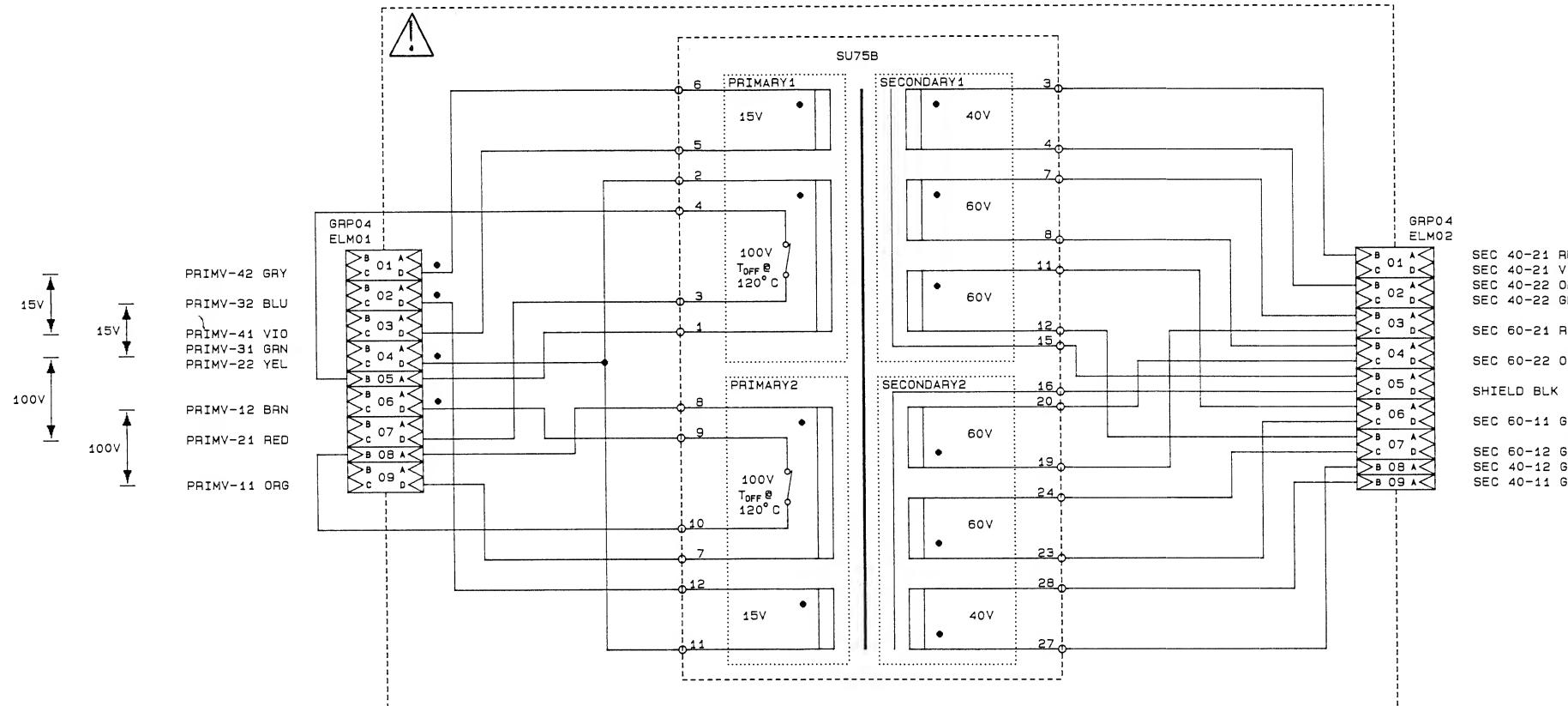
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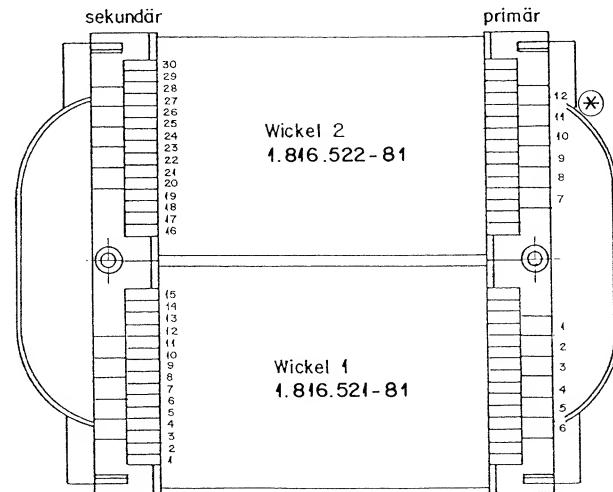
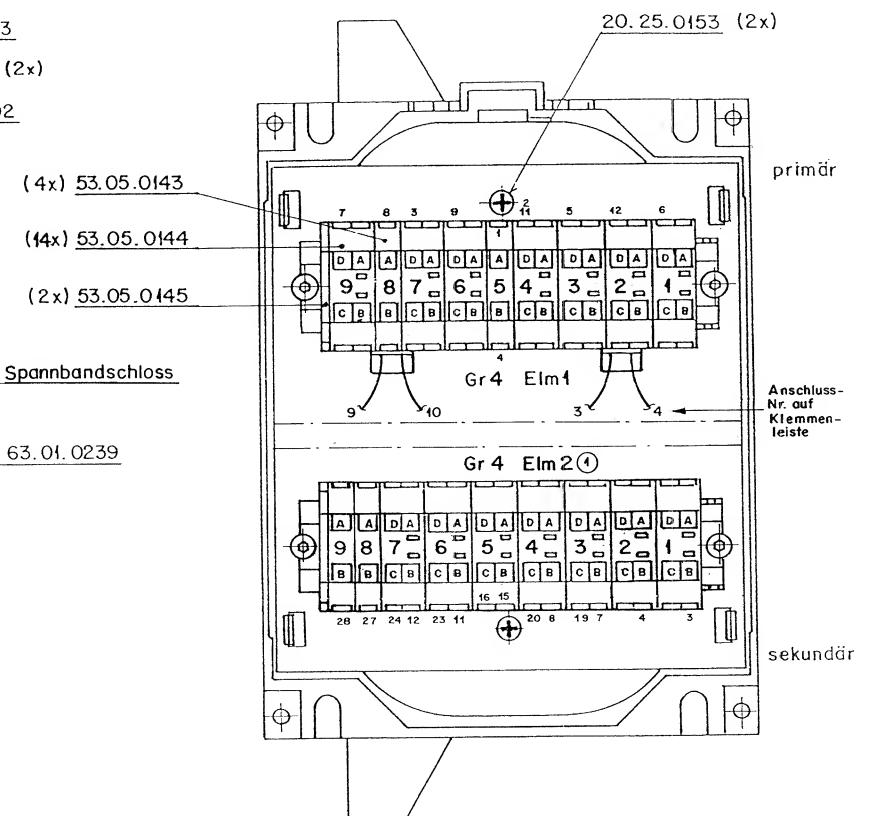
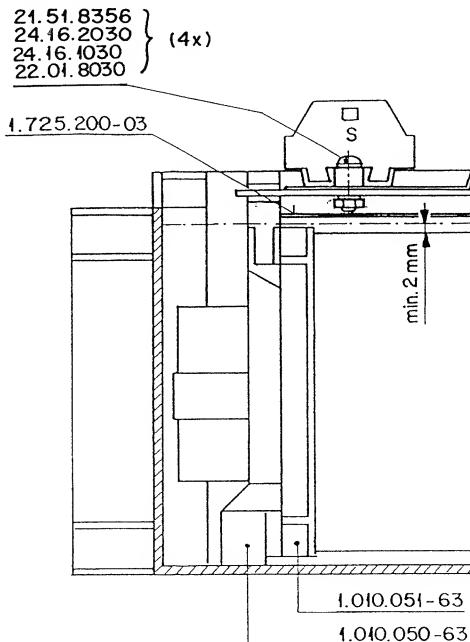
We reserve the right to make alterations

MAINS TRANSFORMER 300 VA 1.816.520.81



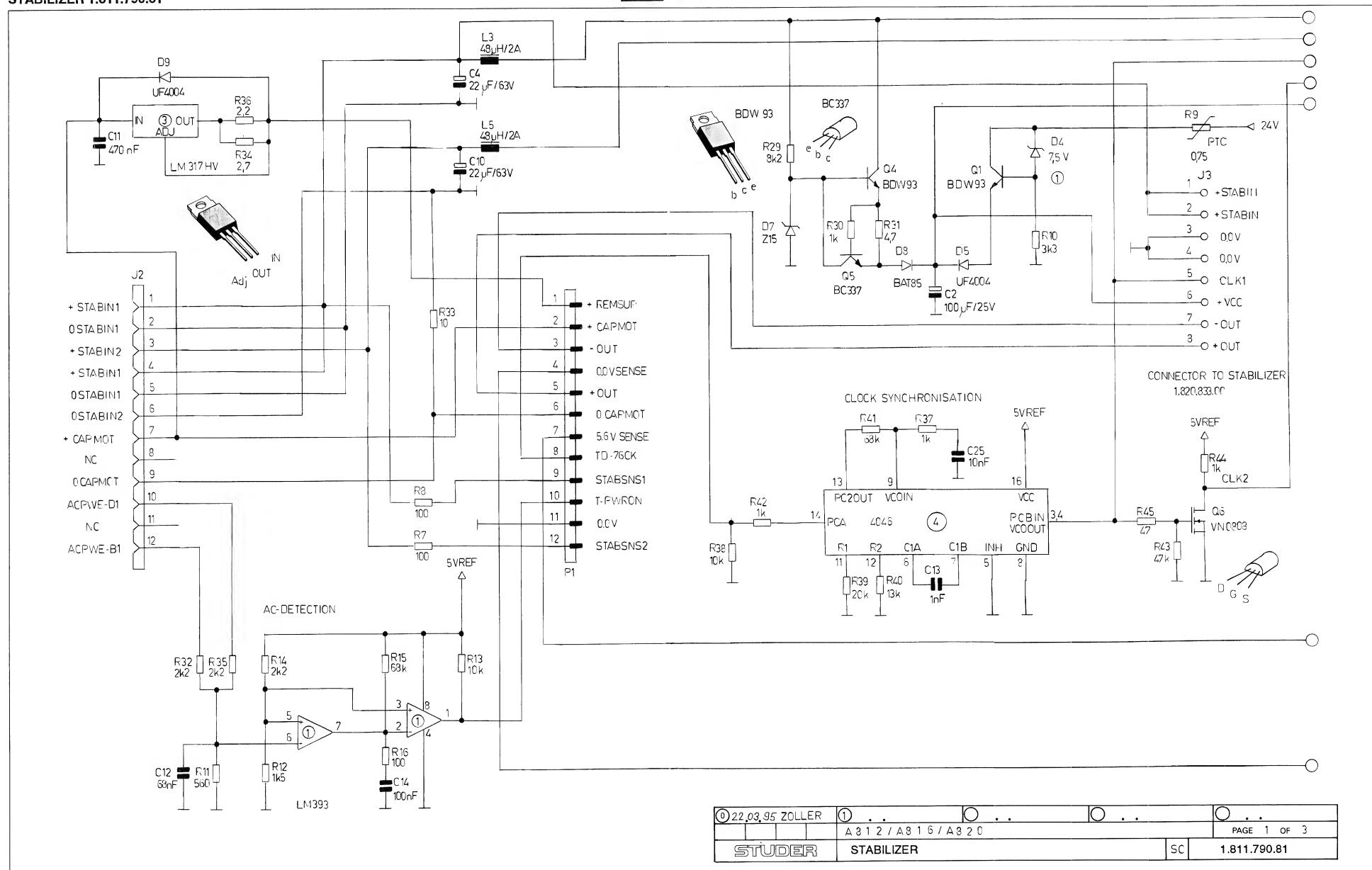
① 24.08.93 CHB	○	○	○	○
	A 816			PAGE 1 OF 1
STUDER	MAIN TRANSFORMER 300 VA	⚠	SC	1.816.520.81

MAINS TRANSFORMER 300 VA 1.816.520.81



STUDER	REGENS DORF	ZURICH	BRUNNEN	Main Power Transformer	1.816.520-81
2.6.93	04	100	20		
Datum	Gez.	Ges.	Ges.	Index	
				Kunde für	

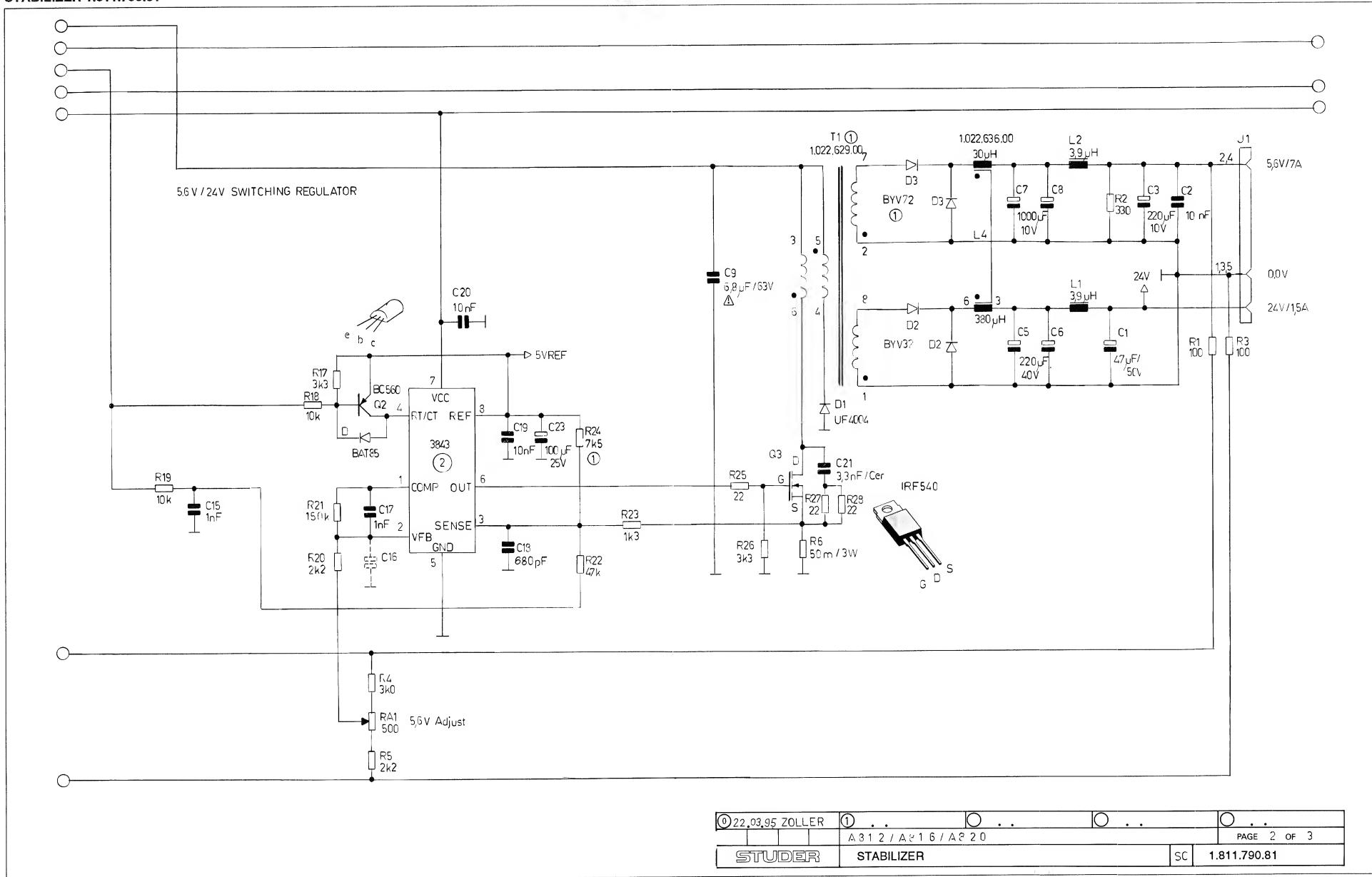
STABILIZER 1.811.790.81



① 22.03.95 ZOLLER	① ..	① ..	① ..	① ..
	A 812 / A 816 / A 820			
STUDER	STABILIZER	SC	1.811.790.81	PAGE 1 OF 3

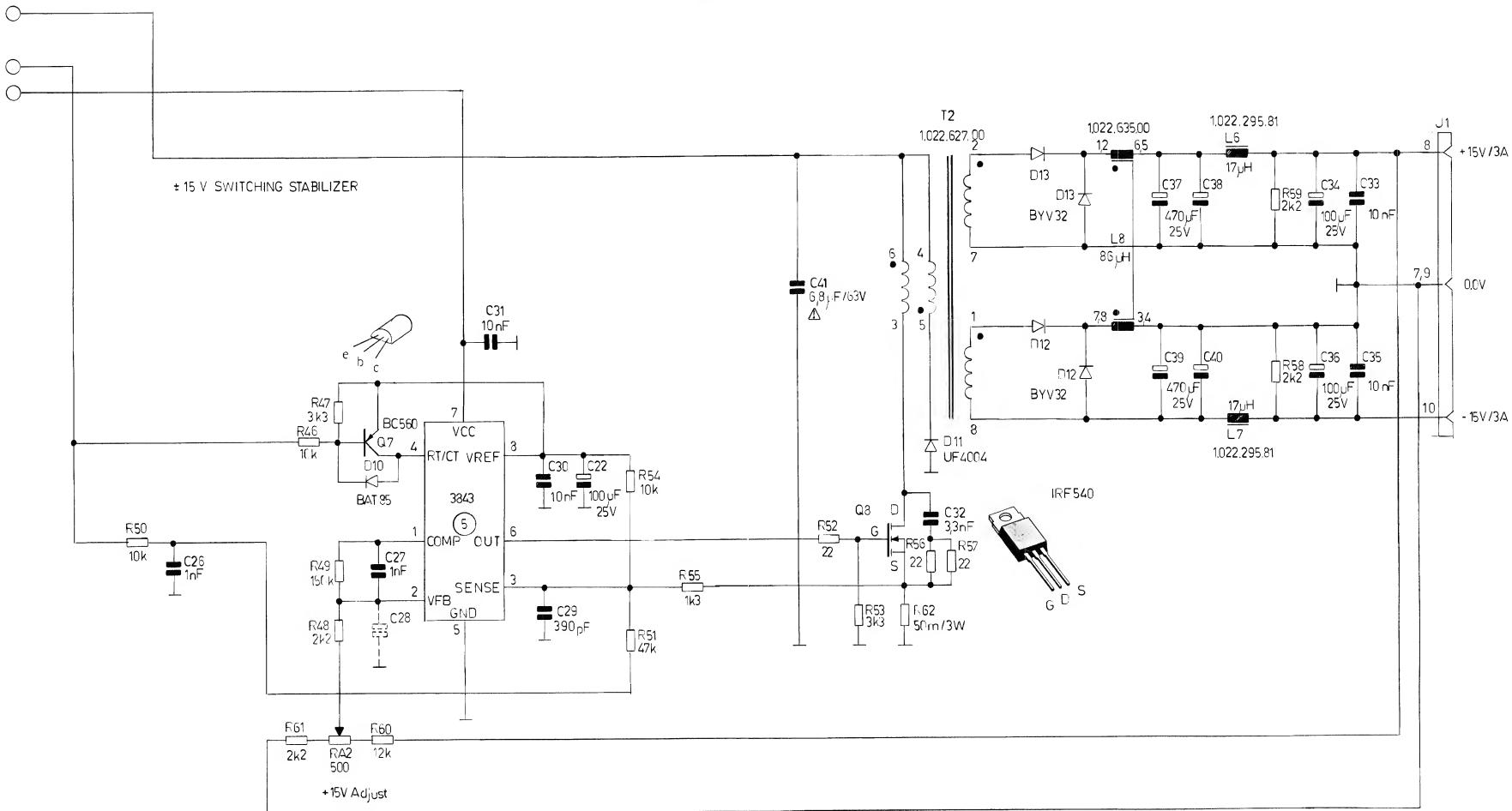


STABILIZER 1.811.790.81



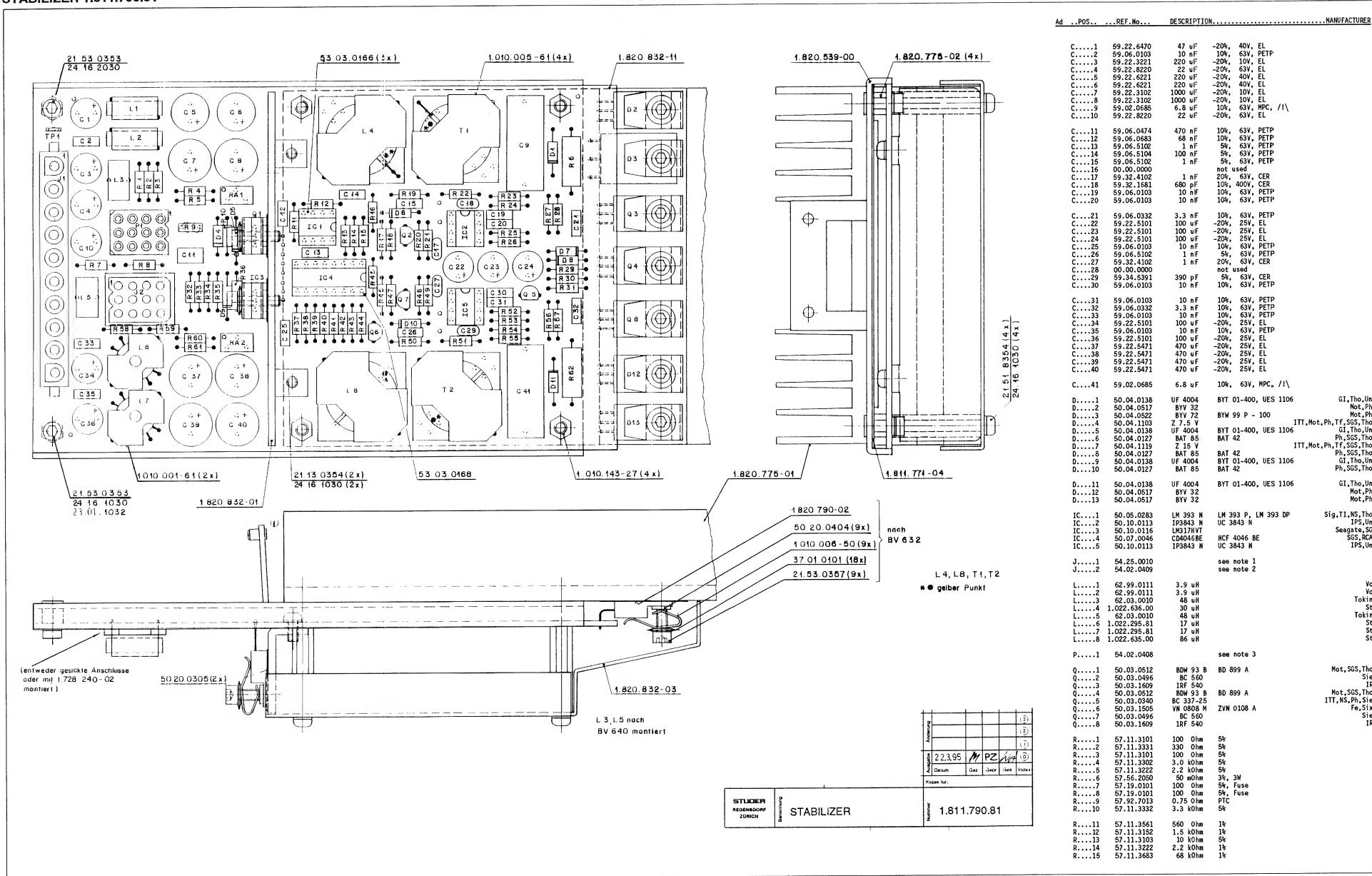
© 22.03.95 ZOLLER	① ..	○ ..	○ ..	○ ..
A 31 2 / A 31 6 / A 32 0				
STUDER	STABILIZER	SC	1.811.790.81	

STABILIZER 1.811.790.81



① 22.03.95 ZOLLER	① . .	⑩ . .	⑪ . .	⑫ . .
	A 8 1 2 / A 8 1 6 / A 8 2 0			PAGE 3 OF 3
STUDER	STABILIZER	SC	1.811.790.81	

STABILIZER 1.811.790.81





STABILIZER 1.811.790.81

Ad	POS.	REF.No...	DESCRIPTION.....	MANUFACTURER
R....16	57.11.3101	100 Ohm	1%	
R....17	57.11.3332	3.3 kOhm	5%	
R....18	57.11.3103	10 kOhm	5%	
R....19	57.11.3103	10 kOhm	1%	
R....20	57.11.3222	2.2 kOhm	5%	
R....21	57.11.3154	150 kOhm	5%	
R....22	57.11.3473	47 kOhm	1%	
R....23	57.11.3132	1.3 kOhm	1%	
R....24	57.11.3752	7.5 kOhm	1%	
R....25	57.11.3220	22 Ohm	5%	
R....26	57.11.3332	3.3 kOhm	5%	
R....27	57.11.3220	22 Ohm	5%	
R....28	57.11.3220	22 Ohm	5%	
R....29	57.11.3822	8.2 kOhm	5%	
R....30	57.11.3102	1 kOhm	5%	
R....31	57.11.3479	4.7 Ohm	5%	
R....32	57.11.3222	2.2 kOhm	1%	
R....33	57.11.3100	10 Ohm	5%	
R....34	57.11.3279	2.7 Ohm	5%	
R....35	57.11.3222	2.2 kOhm	1%	
R....36	57.11.3229	2.2 Ohm	5%	
R....37	57.11.3102	1 kOhm	1%	
R....38	57.11.3103	10 kOhm	5%	
R....39	57.11.3203	20 kOhm	1%	
R....40	57.11.3133	13 kOhm	1%	
R....41	57.11.3683	68 kOhm	5%	
R....42	57.11.3102	1 kOhm	5%	
R....43	57.11.3473	47 kOhm	5%	
R....44	57.11.3102	1 kOhm	5%	
R....45	57.11.3470	47 Ohm	5%	
R....46	57.11.3103	10 kOhm	5%	
R....47	57.11.3332	3.3 kOhm	5%	
R....48	57.11.3222	2.2 kOhm	5%	
R....49	57.11.3154	150 kOhm	5%	
R....50	57.11.3103	10 kOhm	1%	
R....51	57.11.3473	47 kOhm	1%	
R....52	57.11.3220	22 Ohm	5%	
R....53	57.11.3332	3.3 kOhm	5%	
R....54	57.11.3103	10 kOhm	1%	
R....55	57.11.3132	1.3 kOhm	1%	
R....56	57.11.3220	22 Ohm	5%	
R....57	57.11.3220	22 Ohm	5%	
R....58	57.11.3222	2.2 kOhm	5%	
R....59	57.11.3222	2.2 kOhm	5%	
R....60	57.11.3123	12 kOhm	5%	
R....61	57.11.3222	2.2 kOhm	5%	
R....62	57.56.2050	50 mOhm	3%, 3W	
RA....1	58.05.1501	500 Ohm	10%, multi turn	
RA....2	58.05.1501	500 Ohm	10%, multi turn	
T....1	1.022.629.00		Switching Transformer	St
T....2	1.022.627.00		Switching Transformer	St
TP....1	54.02.0320		Test Point	

/!\\ = Increasing of safety relative to risk of fire.

Note 1 - Connector:
10 contacts, AMP Nr. 826 852-3

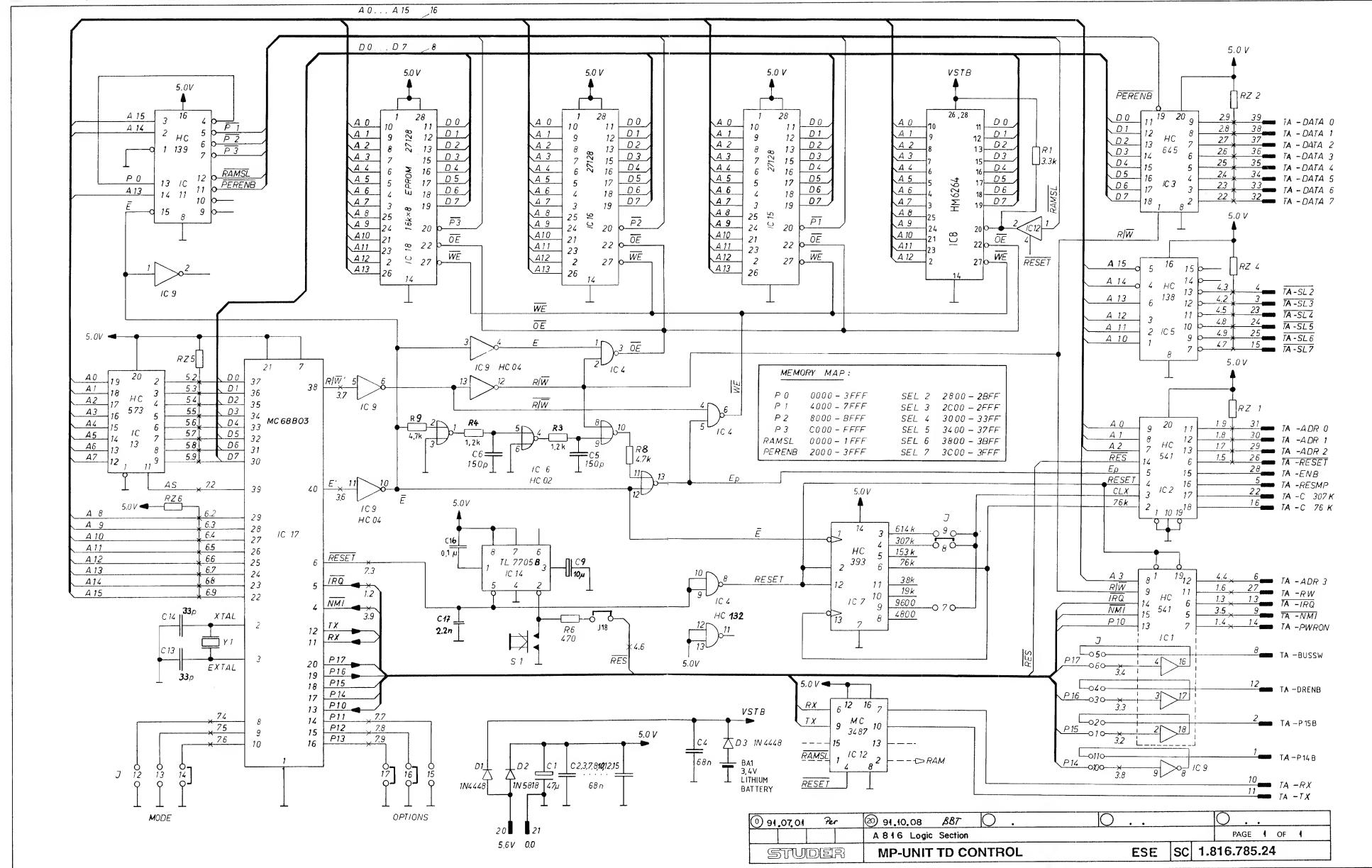
Note 2 - Connector:
case, Studer Nr. 54.02.0409
Molex Nr. 03-06-1121
12 contacts, Studer Nr. 54.02.0407
Molex Nr. 02-06-7103

Note 3 - Connector:
case, Studer Nr. 54.02.0408
Molex Nr. 03-06-2121
12 contacts, Studer Nr. 54.02.0406
Molex Nr. 02-06-8103

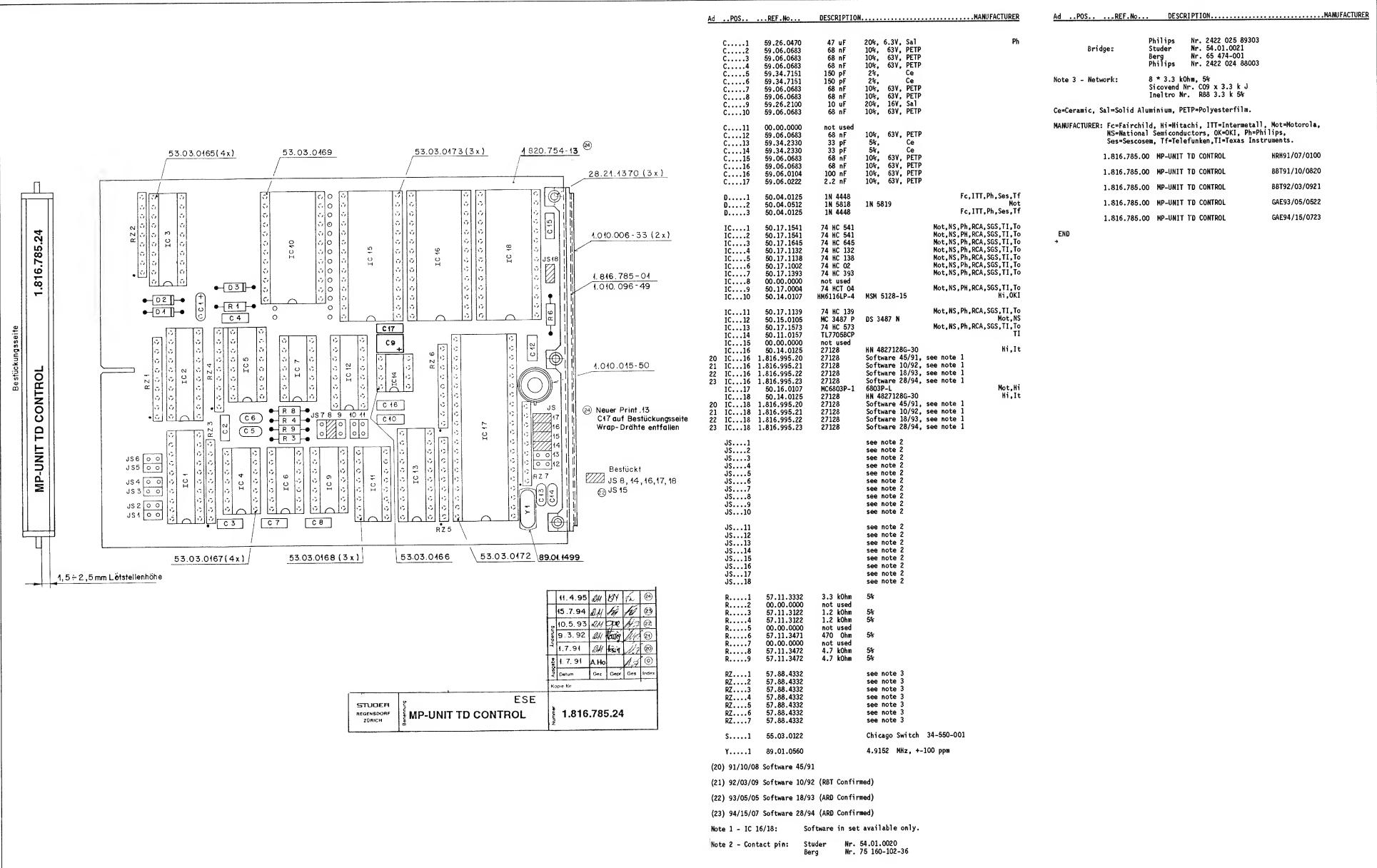
Ce=Ceramic, El=Electrolytic, MPETP=Metallized Polyesterfilm, PETP=Polyesterfilm,
MPC=Metallized Polycarbonate film.

MANUFACTURER: Fe=Ferranti, GI=General Instruments, IPS=Integrated Power
Semiconductor, ITI=Intermetall, IR=International Rectifier,
Mot=Motorola, NS=National Semiconductors, Ph=Philips,
RCA=RCA Corporation, Ses=Sescom, SGS=SGS/Ates, Si=Silicon
General, Sie=Siemens, Sig=Signetics, Six=Siliconix,
St=Studer, Tf=Telefunken, Tho=Thomson, Ti=Texas Instruments,
Un=Unitrode, Vo=Vogt & Co.

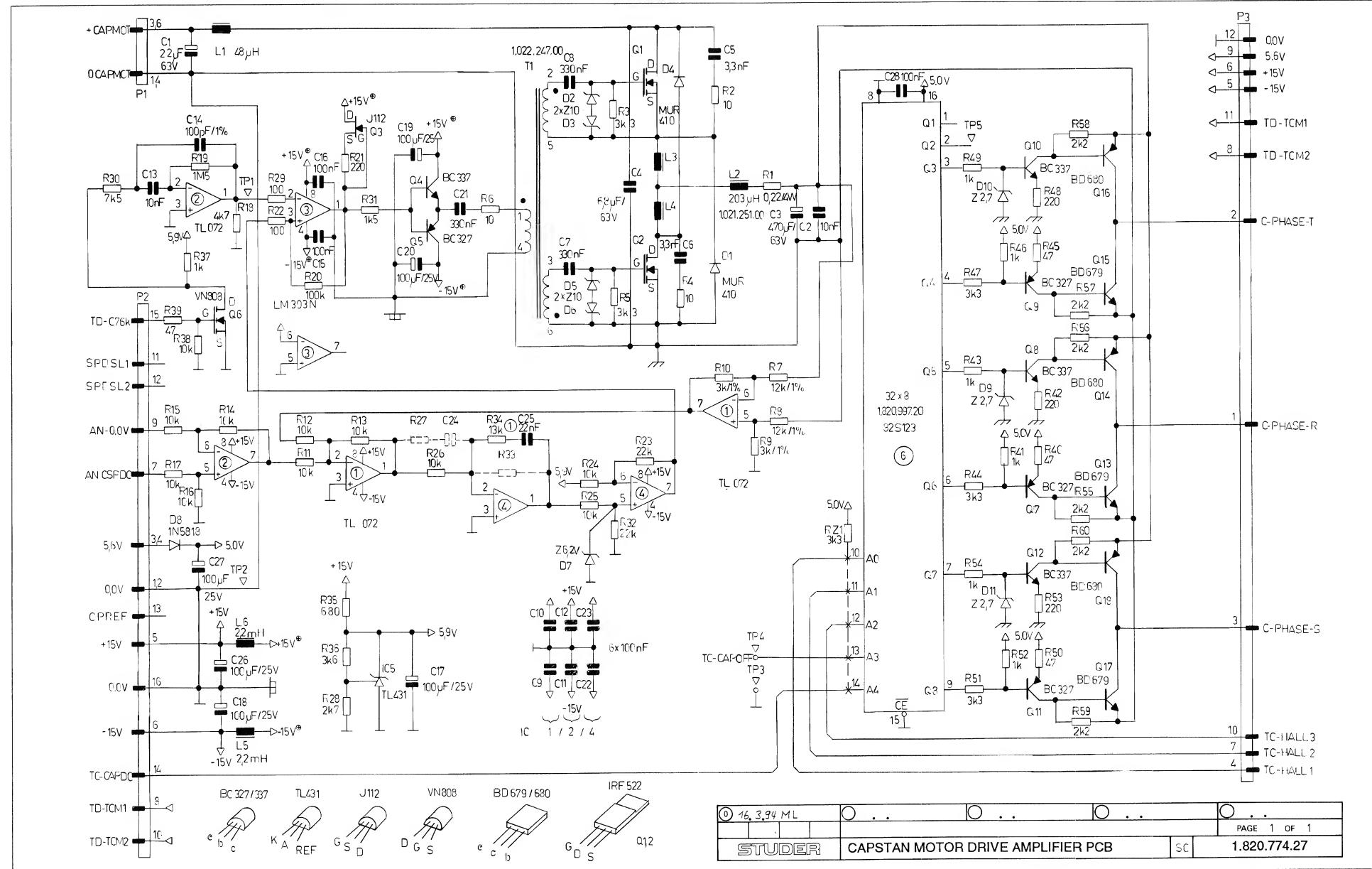
MP-UNIT TAPE DECK CONTROL 1.816.785.24



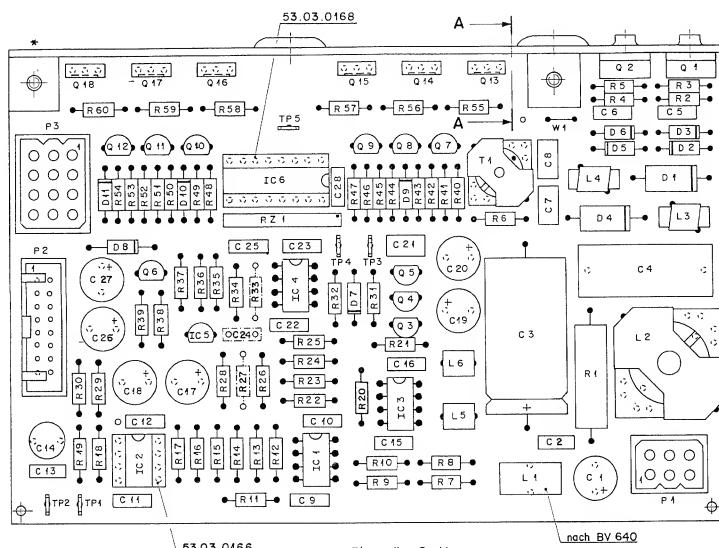
MP-UNIT TAPE DECK CONTROL 1.816.785.24



CAPSTAN MOTOR DRIVE AMPLIFIER PCB 1.820.774.27

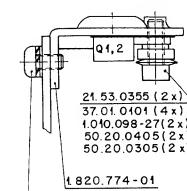


CAPSTAN MOTOR DRIVE AMPLIFIER PCB 1.820.774.27



• gelber Punkt

Ansicht A -



21. 13.0354 (2 x)
24. 16.2030 (2 x)
23. 13.4032 (4 x) *

1.820.774 - 14

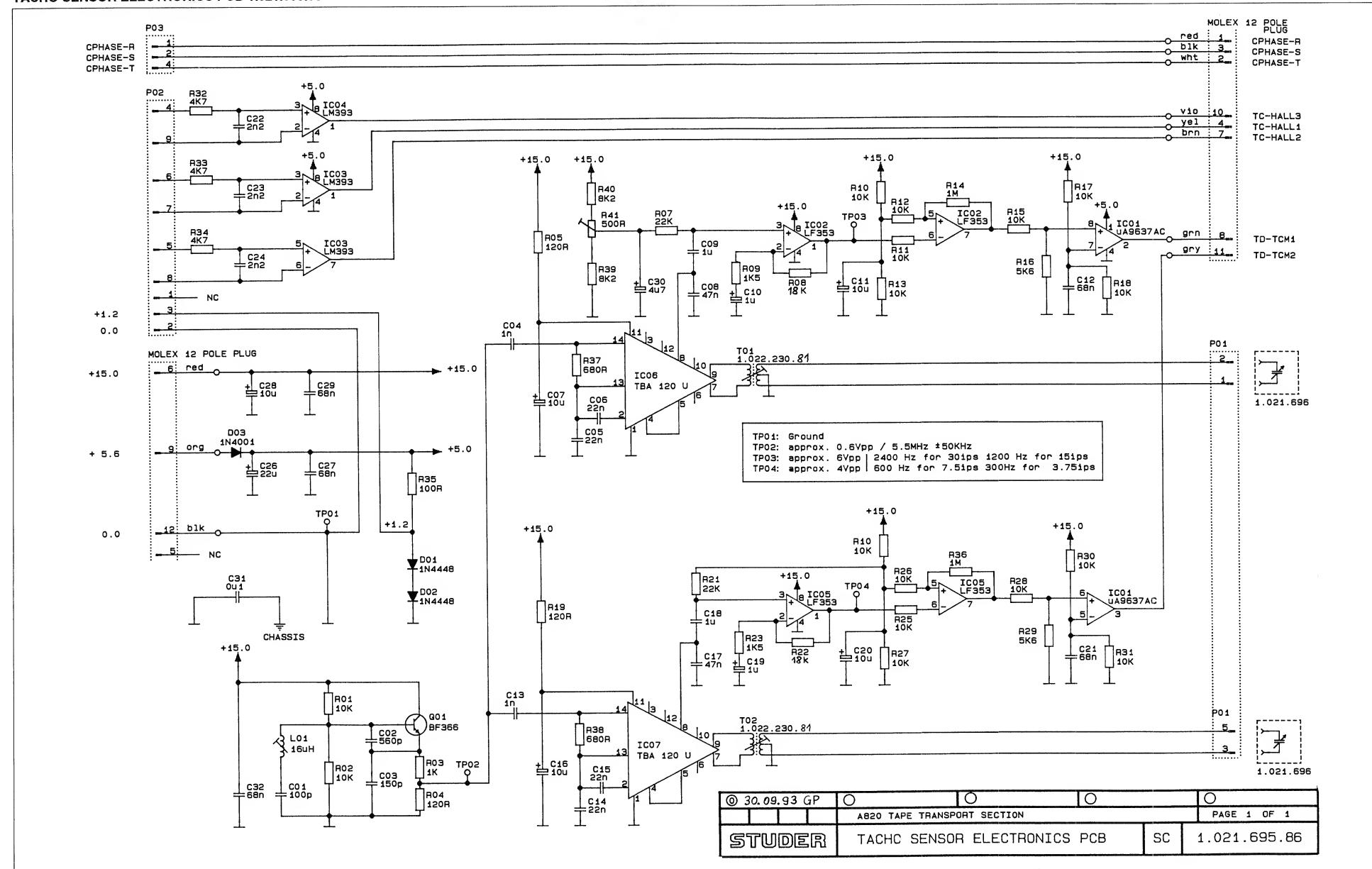
**CAPSTAN MOTOR
DRIVE AMPL. ESD**

1.820.774-2

Ad ..	POS ..	REF. No...	DESCRIPTION.....	MANUFACTURER	Ad ..	POS ..	REF. No...	DESCRIPTION.....	MANUFACTURER	
C.....1	59..22..8220	22 uF	-20%	63V, EL	R.....23	57..11..3223	22 kOhm	10%		
C.....2	59..06..0020	10 nF	10%	63V, PETP	R.....24	57..11..3100	10 kOhm	10%		
C.....3	59..06..4471	470 pF	20%	63V, EL	R.....25	57..11..3103	10 kOhm	10%		
C.....4	59..02..0685	6.8 uF	5%	63V, MPC.....	R.....26	57..11..3103	10 kOhm	10%		
C.....5	59..06..0332	3.3 nF	10%	63V, PETP	R.....27	00..00..0000	not used			
C.....6	59..06..0332	3.3 nF	10%	63V, PETP	R.....28	57..11..3223	22 kOhm	1%		
C.....7	59..06..0334	330 pF	10%	63V, PETP	R.....29	57..11..3100	10 kOhm	10%		
C.....8	59..06..0334	330 pF	10%	63V, PETP	R.....30	57..11..3752	7.5 kOhm	1%		
C.....9	59..06..0104	100 nF	10%	63V, PETP	R.....31	57..11..3162	1.5 kOhm	10%		
C.....10	59..06..0104	100 nF	10%	63V, PETP	R.....32	57..11..3223	22 kOhm	10%		
C.....11	59..06..0104	100 nF	10%	63V, PETP	R.....33	00..00..0000	not used			
C.....12	59..06..0104	100 nF	10%	63V, PETP	R.....34	57..11..3133	13 kOhm	1%		
C.....13	59..06..0103	10 nF	10%	63V, PETP	R.....35	57..11..3681	680 Ohm	10%		
C.....14	59..06..0104	100 pF	10%	63V, PETP	R.....36	57..11..3102	3.3 kOhm	1%		
C.....15	59..06..0104	100 pF	10%	63V, PETP	R.....37	57..11..3102	1 kOhm	10%		
C.....16	59..06..0104	100 nF	10%	63V, PETP	R.....38	57..11..3103	10 kOhm	10%		
C.....17	59..22..5101	100 uF	-20%	25V, EL	R.....39	57..11..3470	47 Ohm	10%		
C.....18	59..22..5101	100 uF	-20%	25V, EL	R.....40	57..11..3470	47 Ohm	10%		
C.....19	59..22..5101	100 uF	-20%	25V, EL						
C.....20	59..22..5101	100 uF	-20%	25V, EL						
C.....21	59..06..0334	330 nF	10%	63V, PETP	R.....41	57..11..3102	1 kOhm	10%		
C.....22	59..06..0104	100 nF	10%	63V, PETP	R.....42	57..11..3221	220 Ohm	10%		
C.....23	59..06..0104	100 nF	10%	63V, PETP	R.....43	57..11..3221	220 Ohm	10%		
C.....24	00..00..0000	not used			R.....44	57..11..3332	3.3 kOhm	10%		
C.....25	59..06..0223	22 nF	10%	63V, PETP	R.....45	57..11..3470	47 Ohm	10%		
C.....26	59..06..0223	22 nF	10%	63V, PETP	R.....46	57..11..3102	1 kOhm	10%		
C.....27	59..22..5101	100 uF	-20%	25V, EL	R.....47	57..11..3332	3.3 kOhm	10%		
C.....28	59..06..0104	100 uF	-20%	25V, EL	R.....48	57..11..3102	1 kOhm	10%		
D.....1	50..04..0521	MUR 410		Not, GI	R.....49	57..11..3102	1 kOhm	10%		
D.....2	50..04..1216	Z 10 V	5%	1..3W	ITT, Mot, Ph, If, SGS	R.....50	57..11..3470	47 Ohm	10%	
D.....3	50..04..1216	Z 10 V	5%	1..3W	ITT, Mot, Ph, If, SGS					
D.....4	50..04..0521	MUR 410		Not, GI						
D.....5	50..04..1216	Z 10 V	5%	1..3W	ITT, Mot, Ph, If, SGS					
D.....6	50..04..1216	Z 10 V	5%	1..3W	ITT, Mot, Ph, If, SGS					
D.....7	50..04..1118	Z 6..2 V	5%	.40W	ITT, Mot, Ph, If, SGS					
D.....8	50..04..0512	IN 5818		Hot	R.....51	57..11..3322	3.3 kOhm	10%		
D.....9	50..04..1106	Z 2..7 V	5%	.40W	ITT, Mot, Ph, If, SGS	R.....52	57..11..3322	220 Ohm	10%	
D.....10	50..04..1106	Z 2..7 V	5%	.40W	ITT, Mot, Ph, If, SGS	R.....53	57..11..3322	220 Ohm	10%	
D.....11	50..04..1106	Z 2..7 V	5%	.40W	ITT, Mot, Ph, If, SGS	R.....54	57..11..3322	220 Ohm	10%	
D.....12	50..04..1106	Z 2..7 V	5%	.40W	ITT, Mot, Ph, If, SGS	R.....55	57..11..3322	220 Ohm	10%	
IC.....1	50..09..0101	TL 072 CD		Not, GI	R.....56	57..11..3332	3.3 kOhm	10%		
IC.....2	50..09..0101	TL 072 CD		Not, GI	R.....57	57..11..3102	1 kOhm	10%		
IC.....3	50..05..0283	LM 393		Not, GI	R.....58	57..11..3221	220 Ohm	10%		
IC.....4	50..09..0101	TL 072 CD		Not, GI	R.....59	57..11..3102	1 kOhm	10%		
IC.....5	50..10..0106	TL 431CD		Not, GI	R.....60	57..11..3221	220 Ohm	10%		
IC.....6	1..820..997..20	Commutation logic device		St	R.....61	57..11..3332	3.3 kOhm	10%		
L.....1	62..03..0010	48 uH		2 A, filter	R.....62	57..11..3102	1 kOhm	10%		
L.....2	1..820..997..00	100 uH		Filtercoil	R.....63	57..11..3221	220 Ohm	10%		
L.....3	62..09..0113	1.0 uH			R.....64	57..11..3221	220 Ohm	10%		
L.....4	62..09..0113	1.0 uH			R.....65	57..11..3221	220 Ohm	10%		
L.....5	62..02..3222	2.2 mH			R.....66	57..11..3222	2.2 kOhm	10%		
L.....6	62..02..3222	2.2 mH			R.....67	57..11..3222	2.2 kOhm	10%		
P.....1	54..02..0418	Connector	6 contacts, MOLEX, see note 2		R.....68	57..11..3222	2.2 kOhm	10%		
P.....2	54..14..2102	Connector	16 contacts, latch, flat cable		R.....69	57..11..3222	2.2 kOhm	10%		
P.....3	54..02..0408	Connector	16 contacts, MOLEX, see note 1		R.....70	57..11..3222	2.2 kOhm	10%		
P.....4	50..03..1592	IR 522	MTP 8N10	IR, Mot	R.....71	57..11..3222	2.2 kOhm	10%		
P.....5	50..03..1592	IR 522	MTP 8N10	IR, Mot	R.....72	57..11..3222	2.2 kOhm	10%		
P.....6	50..03..0350	J-117			R.....73	57..11..3222	2.2 kOhm	10%		
P.....7	50..03..0351	BC 322..25			R.....74	57..11..3222	2.2 kOhm	10%		
P.....8	50..03..1595	VH 0808 A	ZVN 0108 A	ITT, Ph, Sie	R.....75	57..11..3222	2.2 kOhm	10%		
P.....9	50..03..0351	BC 322..25		Fe, Six	R.....76	57..11..3222	2.2 kOhm	10%		
P.....10	50..03..0340	BC 337..25		ITP, Ph, Sie	R.....77	57..11..3222	2.2 kOhm	10%		
P.....11	50..03..0340	BC 337..25		ITP, Ph, Sie	R.....78	57..11..3222	2.2 kOhm	10%		
P.....12	50..03..0340	BC 337..25		ITP, Ph, Sie	R.....79	57..11..3222	2.2 kOhm	10%		
P.....13	50..03..0749	BD 679	see note 3	ITP, Ph, Sie	R.....80	57..11..3222	2.2 kOhm	10%		
P.....14	50..03..0799	BD 680	see note 3	ITP, Ph, Sie	R.....81	57..11..3222	2.2 kOhm	10%		
P.....15	50..03..0749	BD 679	see note 3	ITP, Ph, Sie	R.....82	57..11..3222	2.2 kOhm	10%		
P.....16	50..03..0749	BD 679	see note 3	ITP, Ph, Sie	R.....83	57..11..3222	2.2 kOhm	10%		
P.....17	50..03..0749	BD 679	see note 3	ITP, Ph, Sie	R.....84	57..11..3222	2.2 kOhm	10%		
P.....18	50..03..0799	BD 680	see note 3	ITP, Ph, Sie	R.....85	57..11..3222	2.2 kOhm	10%		
R.....1	57..56..5226	0.22 Ohm	4 W, WW	Ph	R.....86	57..11..3222	2.2 kOhm	10%		
R.....2	57..11..3100	10 Ohm	10%	Ph	R.....87	57..11..3100	10 kOhm	10%		
R.....3	57..11..3332	3.3 kOhm	10%	Ph	R.....88	57..11..3103	10 kOhm	10%		
R.....4	57..11..3100	10 Ohm	10%	Ph	R.....89	57..11..3103	10 kOhm	10%		
R.....5	57..11..3332	3.3 kOhm	10%	Ph	R.....90	57..11..3103	10 kOhm	10%		
R.....6	57..11..3100	10 Ohm	10%	Ph	R.....91	57..11..3103	10 kOhm	10%		
R.....7	57..11..3123	12 kOhm	1%	Ph	R.....92	57..11..3103	10 kOhm	10%		
R.....8	57..11..3123	12 kOhm	1%	Ph	R.....93	57..11..3103	10 kOhm	10%		
R.....9	57..11..3302	3 kOhm	1%	Ph	R.....94	57..11..3103	10 kOhm	10%		
R.....10	57..11..3302	3 kOhm	1%	Ph	R.....95	57..11..3103	10 kOhm	10%		
R.....11	57..11..3221	220 Ohm	10%	Ph	R.....96	57..11..3103	10 kOhm	10%		
R.....12	57..11..3221	200 Ohm	10%	Ph	R.....97	57..11..3103	10 kOhm	10%		
R.....13	57..11..3101	100 Ohm	10%	Ph	R.....98	57..11..3103	10 kOhm	10%		
R.....14	57..11..3102	100 Ohm	10%	Ph	R.....99	57..11..3103	10 kOhm	10%		
R.....15	57..11..3103	100 Ohm	10%	Ph	R.....100	57..11..3103	10 kOhm	10%		
R.....16	57..11..3103	100 Ohm	10%	Ph	R.....101	57..11..3103	10 kOhm	10%		
R.....17	57..11..3103	100 Ohm	10%	Ph	R.....102	57..11..3103	10 kOhm	10%		
R.....18	57..11..5155	1.5 Mohm	10%	Ph	R.....103	57..11..3103	10 kOhm	10%		
R.....19	57..11..3104	1.5 Mohm	10%	Ph	R.....104	57..11..3103	10 kOhm	10%		
R.....20	57..11..3104	1.5 Mohm	10%	Ph	R.....105	57..11..3103	10 kOhm	10%		
R.....21	57..11..3221	220 Ohm	10%	Ph	R.....106	57..11..3103	10 kOhm	10%		
R.....22	57..11..3101	100 Ohm	10%	Ph	R.....107	57..11..3103	10 kOhm	10%		
R.....23	57..11..3101	100 Ohm	10%	Ph	R.....108	57..11..3103	10 kOhm	10%		
R.....24	57..11..3101	100 Ohm	10%	Ph	R.....109	57..11..3103	10 kOhm	10%		
R.....25	57..11..3101	100 Ohm	10%	Ph	R.....110	57..11..3103	10 kOhm	10%		
R.....26	57..11..3101	100 Ohm	10%	Ph	R.....111	57..11..3103	10 kOhm	10%		
R.....27	57..11..3101	100 Ohm	10%	Ph	R.....112	57..11..3103	10 kOhm	10%		
R.....28	57..11..3101	100 Ohm	10%	Ph	R.....113	57..11..3103	10 kOhm	10%		
R.....29	57..11..3101	100 Ohm	10%	Ph	R.....114	57..11..3103	10 kOhm	10%		
R.....30	57..11..3101	100 Ohm	10%	Ph	R.....115	57..11..3103	10 kOhm	10%		
R.....31	57..11..3101	100 Ohm	10%	Ph	R.....116	57..11..3103	10 kOhm	10%		
R.....32	57..11..3101	100 Ohm	10%	Ph	R.....117	57..11..3103	10 kOhm	10%		
R.....33	57..11..3101	100 Ohm	10%	Ph	R.....118	57..11..3103	10 kOhm	10%		
R.....34	57..11..3101	100 Ohm	10%	Ph	R.....119	57..11..3103	10 kOhm	10%		
R.....35	57..11..3101	100 Ohm	10%	Ph	R.....120	57..11..3103	10 kOhm	10%		
R.....36	57..11..3101	100 Ohm	10%	Ph	R.....121	57..11..3103	10 kOhm	10%		
R.....37	57..11..3101	100 Ohm	10%	Ph	R.....122	57..11..3103	10 kOhm	10%		
R.....38	57..11..3101	100 Ohm	10%	Ph	R.....123	57..11..3103	10 kOhm	10%		
R.....39	57..11..3101	100 Ohm	10%	Ph	R.....124	57..11..3103	10 kOhm	10%		
R.....40	57..11..3101	100 Ohm	10%	Ph	R.....125	57..11..3103	10 kOhm	10%		
R.....41	57..11..3101	100 Ohm	10%	Ph	R.....126	57..11..3103	10 kOhm	10%		
R.....42	57..11..3101	100 Ohm	10%	Ph	R.....127	57..11..3103	10 kOhm	10%		
R.....43	57..11..3101	100 Ohm	10%	Ph	R.....128	57..11..3103	10 kOhm	10%		
R.....44	57..11..3101	100 Ohm	10%	Ph	R.....129	57..11..3103	10 kOhm	10%		
R.....45	57..11..3101	100 Ohm	10%	Ph	R.....130	57..11..3103	10 kOhm	10%		
R.....46	57..11..3101	100 Ohm	10%	Ph	R.....131	57..11..3103	10 kOhm	10%		
R.....47	57..11..3101	100 Ohm	10%	Ph	R.....132	57..11..3103	10 kOhm	10%		
R.....48	57..11..3101	100 Ohm	10%	Ph	R.....133	57..11..3103	10 kOhm	10%		
R.....49	57..11..3101	100 Ohm	10%	Ph	R.....134	57..11..3103	10 kOhm	10%		
R.....50	57..11..3101	100 Ohm	10%	Ph	R.....135	57..11..3103	10 kOhm	10%		
R.....51	57..11..3101	100 Ohm	10%	Ph	R.....136	57..11..3103	10 kOhm	10%		
R.....52	57..11..3101	100 Ohm	10%	Ph	R.....137	57..11..3103	10 kOhm	10%		
R.....53	57..11..3101	100 Ohm	10%	Ph	R.....138	57..11..3103	10 kOhm	10%		
R.....54	57..11..3101	100 Ohm	10%	Ph	R.....139	57..11..3103	10 kOhm	10%		
R.....55	57..11..3101	100 Ohm	10%	Ph	R.....140	57..11..3103	10 kOhm	10%		
R.....56	57..11..3101	100 Ohm	10%	Ph	R.....141	57..11..3103	10 kOhm	10%		
R.....57	57..11..									

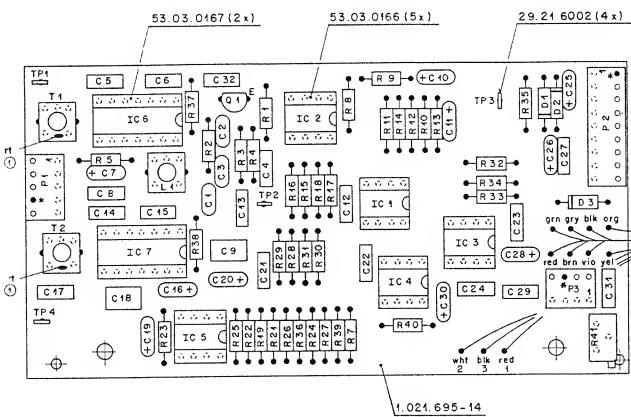
END

TACHO SENSOR ELECTRONICS PCB 1.021.695.86

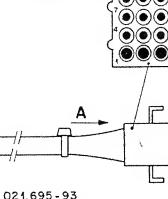




TACHO SENSOR ELECTRONICS PCB 1.021.695.86



Ansicht A



Idx.	Pos.	Part No.	Qty.	Type/Val.	Description
0	C 1	59.34.4101	100p	CER 63V, 5%, N750	
0	C 2	59.34.5561	560p	CER 63V, 5%, N1500	
0	C 3	59.34.4151	150p	CER 63V, 5%, N750	
0	C 4	59.06.0102	1m0	PETP, 63V, 10%, RM5	
0	C 5	59.06.0223	22n	PETP, 63V, 10%, RM5	
0	C 6	59.06.0223	22n	PETP, 63V, 10%, RM5	
0	C 7	59.26.2100	10u	SAL, 20%, 16V	
0	C 8	59.06.0473	47n	PETP, 63V, 10%, RM5	
0	C 9	59.06.0105	1u0	PETP, 60V, 10%, RM5	
0	C 10	59.26.9109	1u	SAL, 20%, 40V	
0	C 11	59.26.2100	10u	SAL, 20%, 16V	
0	C 12	59.06.0683	68n	PETP, 63V, 10%, RM5	
0	C 13	59.06.0102	1n0	PETP, 63V, 10%, RM5	
0	C 14	59.06.0223	22n	PETP, 63V, 10%, RM5	
0	C 15	59.06.0223	22n	PETP, 63V, 10%, RM5	
0	C 16	59.26.2100	10u	SAL, 20%, 16V	
0	C 17	59.06.0473	47n	PETP, 63V, 10%, RM5	
0	C 18	59.06.0105	1u0	PETP, 60V, 10%, RM5	
0	C 19	59.26.9109	1u	SAL, 20%, 40V	
0	C 20	59.26.2100	10u	SAL, 20%, 16V	
0	C 21	59.06.0683	68n	PETP, 63V, 10%, RM5	
0	C 22	59.06.0222	2n2	PETP, 63V, 10%, RM5	
0	C 23	59.06.0222	2n2	PETP, 63V, 10%, RM5	
0	C 24	59.06.0222	2n2	PETP, 63V, 10%, RM5	
0	C 25	59.26.1220	22u	SAL, 20%, 10V	
0	C 26	59.26.1220	22u	SAL, 20%, 10V	
0	C 27	59.06.0683	68n	PETP, 63V, 10%, RM5	
0	C 28	59.26.2100	10u	SAL, 20%, 16V	
0	C 29	59.06.0683	68n	PETP, 63V, 10%, RM5	
0	C 30	59.26.1479	47u	SAL, 20%, 10V	
0	C 31	59.06.0104	100n	PETP, 63V, 10%, RM5	
0	C 32	59.06.0683	68n	PETP, 63V, 10%, RM5	
0	D 1	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	
0	D 2	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	
0	D 3	50.04.0122	1N4001	1A, DO 41	
0	IC 1	50.15.0114	9637	Dual diff Line Receiver	
0	IC 2	50.09.0101	TL072	IC TL 072 CN	A
0	IC 3	50.05.0283	LM393	Dual Comparator	
0	IC 4	50.05.0263	LM393	Dual Comparator	
0	IC 5	50.09.0101	TL072	IC TL 072 CN	A
0	IC 6	50.11.0151	TBA120U	IC TBA 120 U/V5	
0	IC 7	50.11.0151	TBA120U	IC TBA 120 U/V5	
0	L 1	1.022.222.00	L16mH	HF-DROSSEL, 16 MH	
0	P 1	54.01.0288	5-P	J LEISTE 5 POL CIS AUFST.	
0	P 2	54.01.0217	9-P	J LEISTE 9 POL CIS AUFST	
0	P 3	54.01.0241	4-P	J LEISTE 4 POL CIS AUFST	
0	Q 1	50.03.0514	BF366	BF 366 NPN	
0	R 1	57.11.3103	10k	MF, 1%, 0207	
0	R 2	57.11.3103	10k	MF, 1%, 0207	
0	R 3	57.11.3102	1k0	MF, 1%, 0207	
0	R 4	57.11.3121	120R	MF, 1%, 0207	
0	R 5	57.11.3121	120R	MF, 1%, 0207	
0	R 6	not used	not used	not used	
0	R 7	57.11.3223	22k	MF, 1%, 0207	
0	R 8	57.11.3183	1k0	MF, 1%, 0207	
0	R 9	57.11.3162	1k5	MF, 1%, 0207	
0	R 10	57.11.3103	10k	MF, 1%, 0207	
0	R 11	57.11.3103	10k	MF, 1%, 0207	
0	R 12	57.11.3103	10k	MF, 1%, 0207	
0	R 13	57.11.3103	10k	MF, 1%, 0207	
0	R 14	57.11.3105	1M0	MF, 1%, 0207	
0	R 15	57.11.3103	10k	MF, 1%, 0207	
0	R 16	57.11.3562	5k6	MF, 1%, 0207	
0	R 17	57.11.3103	10k	MF, 1%, 0207	
0	R 18	57.11.3103	10k	MF, 1%, 0207	
0	R 19	57.11.3121	120R	MF, 1%, 0207	
0	R 20	not used	not used	not used	
0	R 21	57.11.3223	22k	MF, 1%, 0207	
0	R 22	57.11.3183	1k0	MF, 1%, 0207	
0	R 23	57.11.3152	1k5	MF, 1%, 0207	
0	R 24	57.11.3103	10k	MF, 1%, 0207	
0	R 25	57.11.3103	10k	MF, 1%, 0207	
0	R 26	57.11.3103	10k	MF, 1%, 0207	
0	R 27	57.11.3103	10k	MF, 1%, 0207	
0	R 28	57.11.3103	10k	MF, 1%, 0207	
0	R 29	57.11.3562	5k6	MF, 1%, 0207	
0	R 30	57.11.3103	10k	MF, 1%, 0207	

Idx.	Pos.	Part No.	Qty.	Type/Val.	Description
0	R 31	57.11.3103	10k	MF, 1%, 0207	
0	R 32	57.11.3472	4k7	MF, 1%, 0207	
0	R 33	57.11.3472	4k7	MF, 1%, 0207	
0	R 34	57.11.3472	4k7	MF, 1%, 0207	
0	R 35	57.11.3101	100R	MF, 1%, 0207	
0	R 36	57.11.3105	1M0	MF, 1%, 0207	
0	R 37	57.11.3681	680R	MF, 1%, 0207	
0	R 38	57.11.3681	680R	MF, 1%, 0207	
0	R 39	57.11.3822	8k2	MF, 1%, 0207	
0	R 40	57.11.3822	8k2	MF, 1%, 0207	
0	R 41	58.05.0051	500R	10%, 0.5W, Cermet	
1	T 1	1.022.230.82	1	Trafo	DISKRIMINATORTRAFO
1	T 2	1.022.230.82	1	Trafo	DISKRIMINATORTRAFO

End of List

Comments:

- * Note 1: Pot. Bourns, Nr.: 3296 Z-1-501
- * Spectrol, Nr.: 64.Z.501.T.000
- * Murata, Nr.: Pdt.3105 Z-1-501

* Note 2: Plug: 5-Pin AMP, NR.: -163.680-3

* Note 3: Plug: 9-Pin AMP, NR.: -163.680-7

* Note 4: Plug: 3-Pin AMP, NR.: -163.680-1

*CE=Ceramic, EL=Electrolytic, PETP=Polyester Film

* MANUFACTURER: Fc=Fairchild, GI=General Instruments, ITT=Intermetallic, Mot=Motorola, NS=National Semiconductors, Ph=Philips, Sie=Siemens, St=Studer, Ti=Texas Instruments

(o1) T1+T2 -81 changed to -82

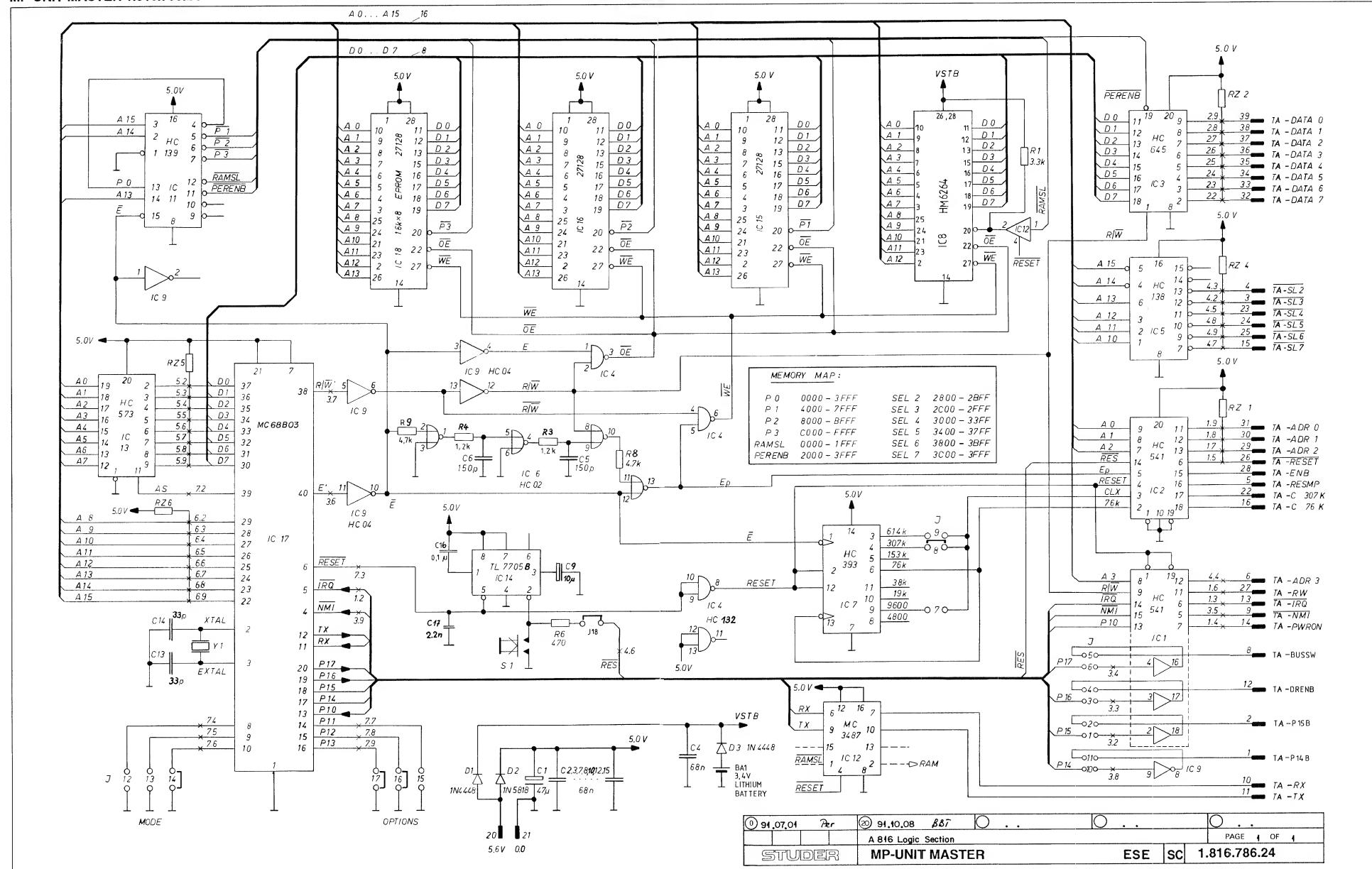
Anleitung		(3)
10.7.96		(2)
30.9.93		(1)
Angelegt	Ged.	Gebr.
Datum	Ged.	Gebr.
Kopie Nr.	1021.695-86	

STUDER
REGENSDORF
ZÜRICH

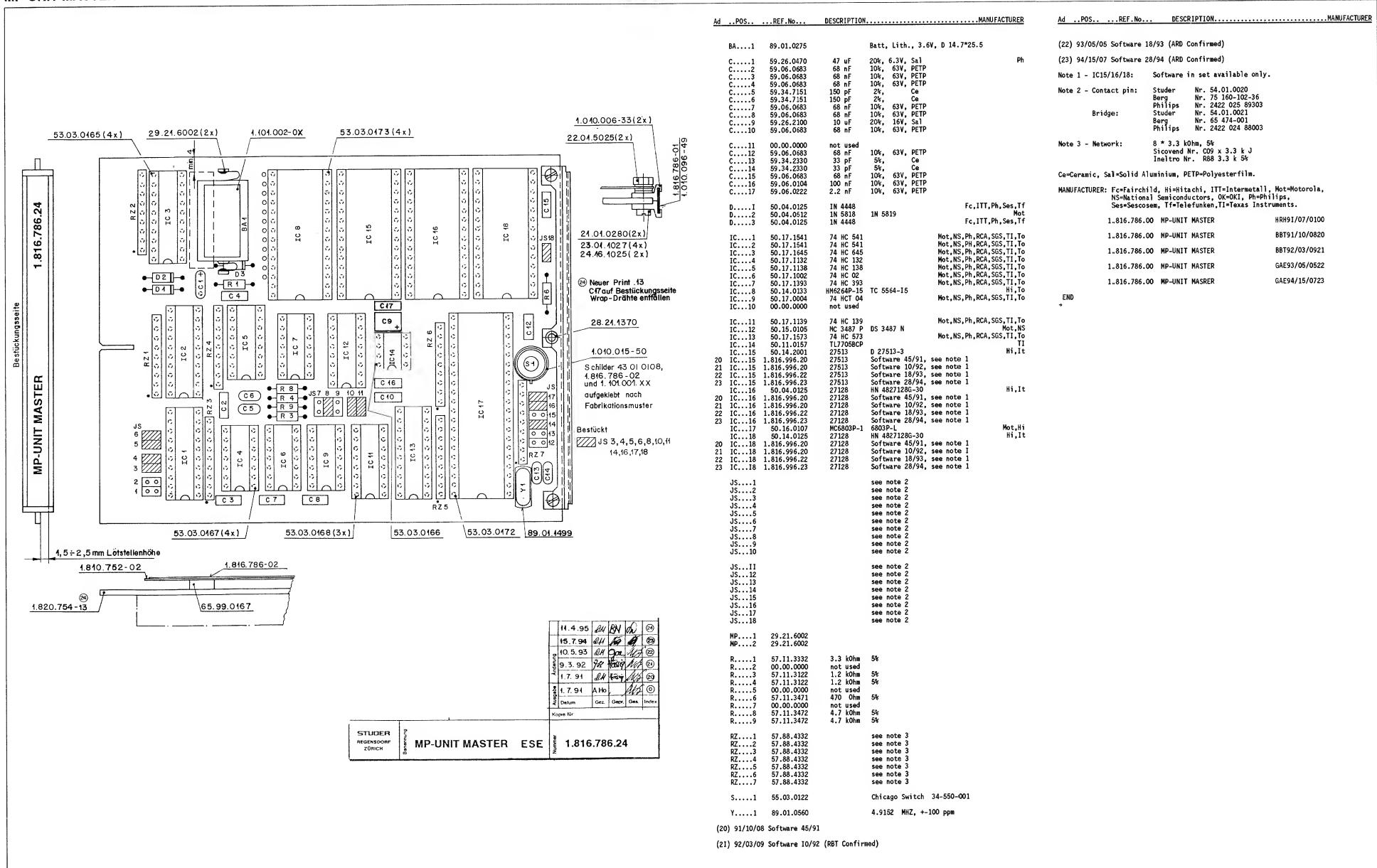
TACHO SENSOR
EL. BOARD ESE

Nummer
1.021.695-86

MP-UNIT MASTER 1.816.786.24



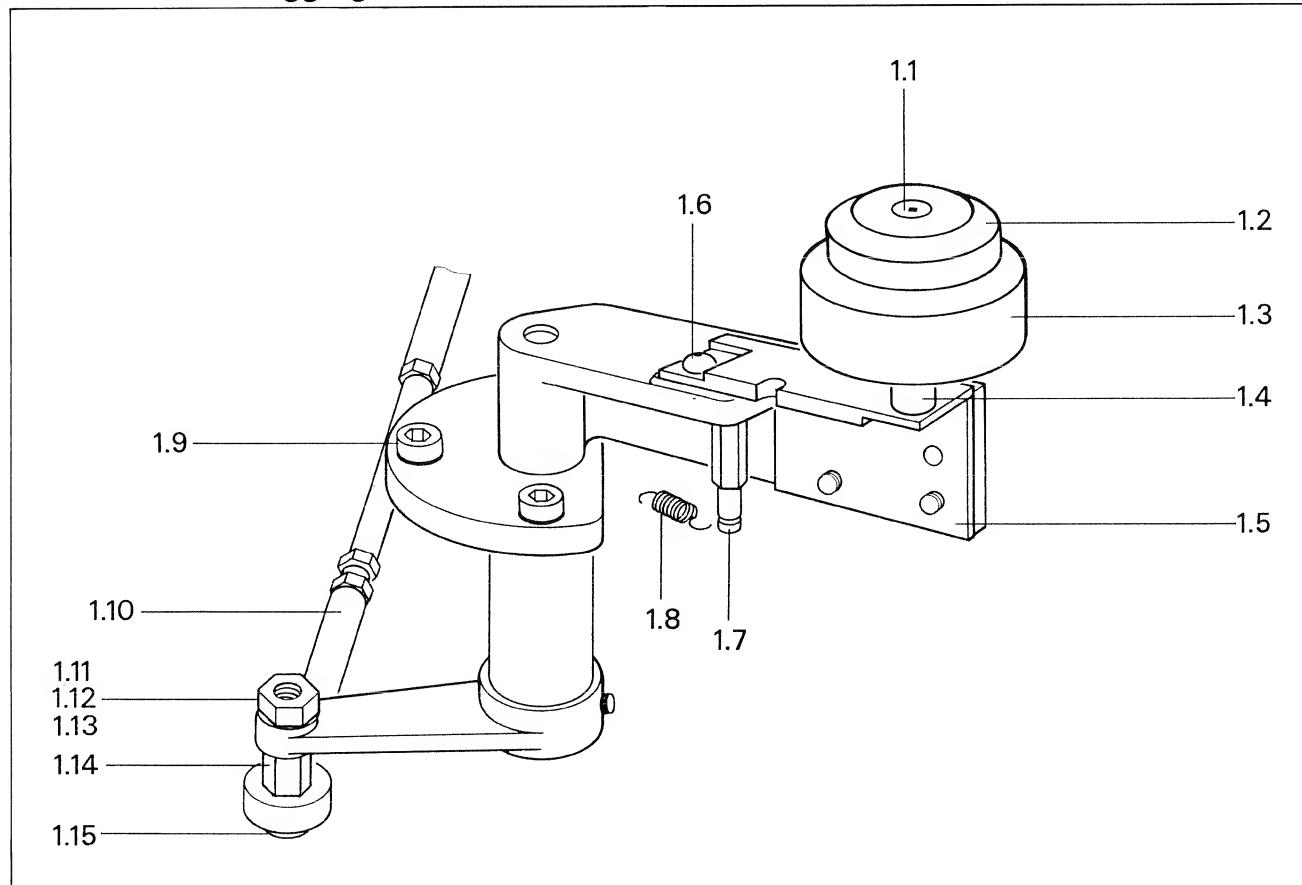
MP-UNIT MASTER 1.816.786.24



Bandabhebeaggregat, Andruckmechanik

Pos.	Menge	Bestell-Nr.	Bezeichnung	Spezifikation
1	1	1.014.732.00	Abhebemagnet	
2	1	1.014.731.00	Andruckmagnet	
3	1	1.816.130.00	Bandabhebeaggregat	
3.1	1	1.816.131.00	Bandabheberolle komplett	
3.2	1	1.862.120.07	Gelenkstück	
4	1	1.816.132.00	Zugstange zu Abhebemagnet, kompl.	
5	1	1.816.142.00	Anker mit Gelenkstück	
5.1	1	1.816.140.05	Gewindestange zu Andruckmagnet	
5.2	1	1.862.120.07	Gelenkstück	
5.3	1	1.010.219.37	Andruckfeder	
6	1	1.816.090.34	Gewindestange zu Edithebel	
7	1	1.816.134.08	Drehknopf (EDIT)	

9.6 Andruckaggregat

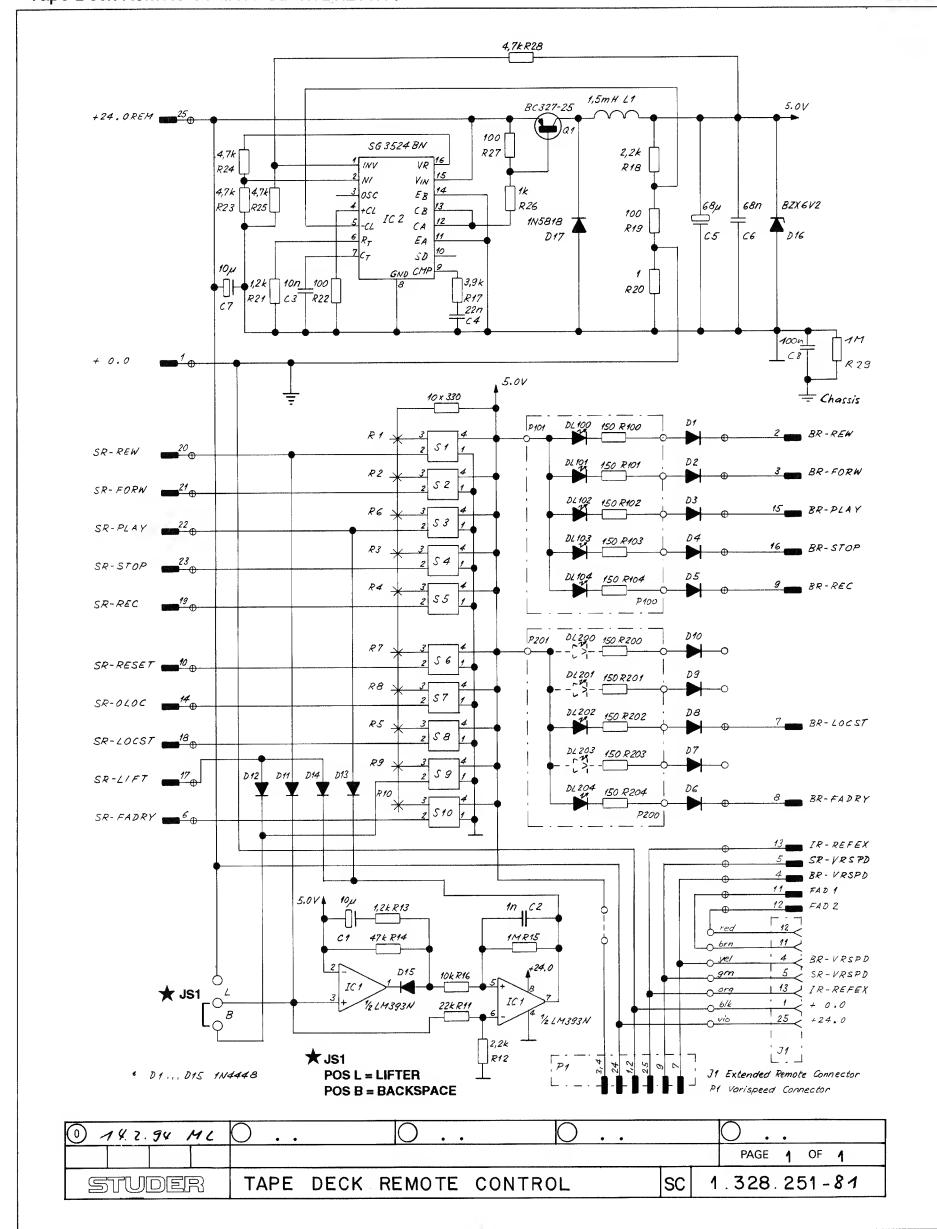


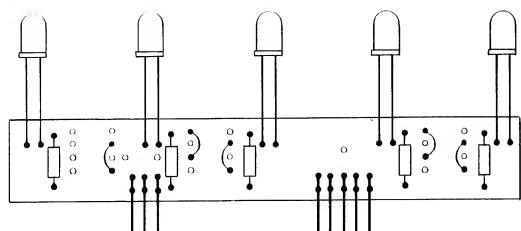
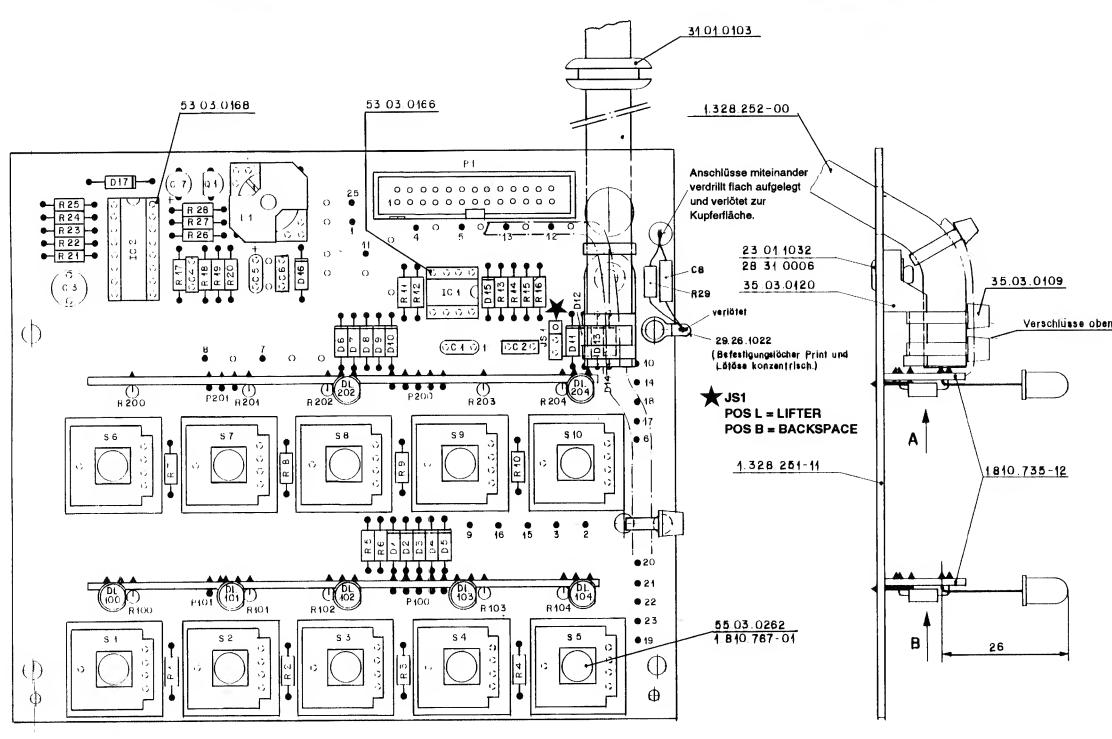
Andruckaggregat

Pos.	Menge	Bestell-Nr.	Bezeichnung	Spezifikation
1	1	1.816.140.00	Andruckaggregat kompl.	
1.1	1	1.010.036.21	Senkschraube spezial	M4 x 14
1.2	1	1.816.090.45	Rollendeckel	
1.3	1	1.816.138.00	Andruckrolle	
1.4	1	1.816.141.04	Andruckrollen-Achse	
1.5	1	1.816.141.03	Achsenhalter, einstellbar	
1.6	1	21.51.8455	Linsenschraube	M4 x 8
1.7	1	1.816.141.05	Sechskantbolzen spezial	
1.8	1	1.010.104.37	Feder	D5 / 13,6
1.9	3	21.53.0457	Z-Schraube mit Sicherungsscheibe	M4 x 12
1.10	1	1.862.120.07	Bronzehebel	
1.11	1	22.01.8040	Mutter	M4/0,8 D
1.12	1	23.01.1040	Rippenscheibe	zu M4
1.13	1	23.01.1043	Unterlagsscheibe	D 4,3/8,0
1.14	1	1.816.140.03	Sechskantbolzen spezial	
1.15	1	24.16.3032	Benzing-Sicherungsscheibe	D 3,2

TAPE DECK REMOTE CONTROL CABINET (PARALLEL) 1.328.250.81

- Tape Deck Remote Control PCB 1.328.251.81



TAPE DECK REMOTE CONTROL CABINET (PARALLEL) 1.328.250.81
 - Tape Deck Remote Control PCB 1.328.251.81


Ansicht A + B

A nur 2 DL und 2 Draht-brücken bestückt.

Autonummer	Autonummer	Autonummer
26.1.94	26.1.94	26.1.94
Datum	Ges.	Gepl.

Kopie für:

STUDER
REINHOLD
ZURICHTAPE DECK REMOTE
CONTROL BOARD ESE

Nummer: 1.328.251.81

Ad	Pos.	Ref. No.	Description	Manufacturer
DL...201		50.04.2112	not used	
DL...202		MW5353	CM4-584B, HLMP-3401	CM, GI, HP
DL...203		MW5353	not used	
DL...204		50.04.2112	MW5353	CM4-584B, HLMP-3401
IC....1		50.05.0283	LMS93N	NS, Tho, TI
TC....2		50.05.0279	SG3524BN	SG
JS....1			See note 1	
L....1		1.022.197.00	1.5 mH	St
P....1		54.14.2003	26 cont. See note 2	
P....100		54.01.0269	5 cont. AMP Nr. 163.740-3	
P....101		54.01.0227	3 Cont. AMP Nr. 163.740-1	
P....200		54.01.0269	5 cont. AMP Nr. 163.740-3	
P....201		54.01.0227	3 cont. AMP Nr. 163.740-1	
Q....1		50.03.0351	BC327-25	ITI, Ph, Sie
R....1		57.11.3331	330 Ohm	
R....2		57.11.3331	330 Ohm	
R....3		57.11.3331	330 Ohm	
R....4		57.11.3331	330 Ohm	
R....5		57.11.3331	330 Ohm	
R....6		57.11.3331	330 Ohm	
R....7		57.11.3331	330 Ohm	
R....8		57.11.3331	330 Ohm	
R....9		57.11.3331	330 Ohm	
R....10		57.11.3331	330 Ohm	
R....11		57.11.3223	22 kOhm	
R....12		57.11.3222	2.2 kOhm	
R....13		57.11.3222	1.2 kOhm	
R....14		57.11.3473	47 kOhm	
R....15		57.11.3105	1 Mohm	
R....16		57.11.3103	10 kOhm	
R....17		57.11.3392	3.9 kOhm	
R....18		57.11.3102	2.2 kOhm	
R....19		57.11.3101	100 Ohm	
R....20		57.11.3109	1 Ohm	
R....21		57.11.3122	1.2 kOhm	
R....22		57.11.3101	100 Ohm	
R....23		57.11.3472	4.7 kOhm	
R....24		57.11.3472	4.7 kOhm	
R....25		57.11.3472	4.7 kOhm	
R....26		57.11.3102	1 kOhm	
R....27		57.11.3101	100 Ohm	
R....28		57.11.3472	4.7 kOhm	
R....29		57.11.3109	1 Mohm	
R....100		57.11.3151	150 Ohm	
R....101		57.11.3151	150 Ohm	
R....102		57.11.3151	150 Ohm	
R....103		57.11.3151	150 Ohm	
R....104		57.11.3151	150 Ohm	
R....200		57.11.3151	150 Ohm	
R....201		57.11.3151	150 Ohm	
R....202		57.11.3151	150 Ohm	
R....203		57.11.3151	150 Ohm	
R....204		57.11.3151	150 Ohm	
S....1			See note 3	
S....2			See note 3	
S....3			See note 3	
S....4			See note 3	
S....5			See note 3	
S....6			See note 3	
S....7			See note 3	
S....8			See note 3	
S....9			See note 3	
S....10			See note 3	
Fc, ITT, Ph, Ses, Tf				
D....1	50.04.0125	IN4448	Fc, ITT, Ph, Ses, Tf	
D....2	50.04.0125	IN4448	Fc, ITT, Ph, Ses, Tf	
D....3	50.04.0125	IN4448	Fc, ITT, Ph, Ses, Tf	
D....4	50.04.0125	IN4448	Fc, ITT, Ph, Ses, Tf	
D....5	50.04.0125	IN4448	Fc, ITT, Ph, Ses, Tf	
D....6	50.04.0125	IN4448	Fc, ITT, Ph, Ses, Tf	
D....7	50.04.0125	IN4448	Fc, ITT, Ph, Ses, Tf	
D....8	50.04.0125	IN4448	Fc, ITT, Ph, Ses, Tf	
D....9	50.04.0125	IN4448	Fc, ITT, Ph, Ses, Tf	
D....10	50.04.0125	IN4448	Fc, ITT, Ph, Ses, Tf	
D....11	50.04.0125	IN4448	Fc, ITT, Ph, Ses, Tf	
D....12	50.04.0125	IN4448	Fc, ITT, Ph, Ses, Tf	
D....13	50.04.0125	IN4448	Fc, ITT, Ph, Ses, Tf	
D....14	50.04.0125	IN4448	Fc, ITT, Ph, Ses, Tf	
D....15	50.04.0125	IN4448	Fc, ITT, Ph, Ses, Tf	
D....16	50.04.1118	6.2 V Z BZX83C 6.2, BZX55C 6.2, ZPD 6.2	ITT, Ses Hot	
D....17	50.04.0125	IN6819		
DL...100		MW5353	CM4-584B, HLMP-3401	CM, GI, HP
DL...101		MW5353	CM4-584B, HLMP-3401	CM, GI, HP
DL...102		MW5353	CM4-584B, HLMP-3401	CM, GI, HP
DL...103		MW5353	CM4-584B, HLMP-3401	CM, GI, HP
DL...104		MW5353	CM4-2048, HLMP-3401	CM, GI, HP
D....200		not used		

Note 1 - Contact pin: Studer 54.01.0020, Berg 75.160-102-36
Bridge: Studer 54.01.0021, Philips 2422 024 88003

Note 2 - Connector: Yamichi FAP-26-08/4, Burndy BPM 9 B 26 B00 GS

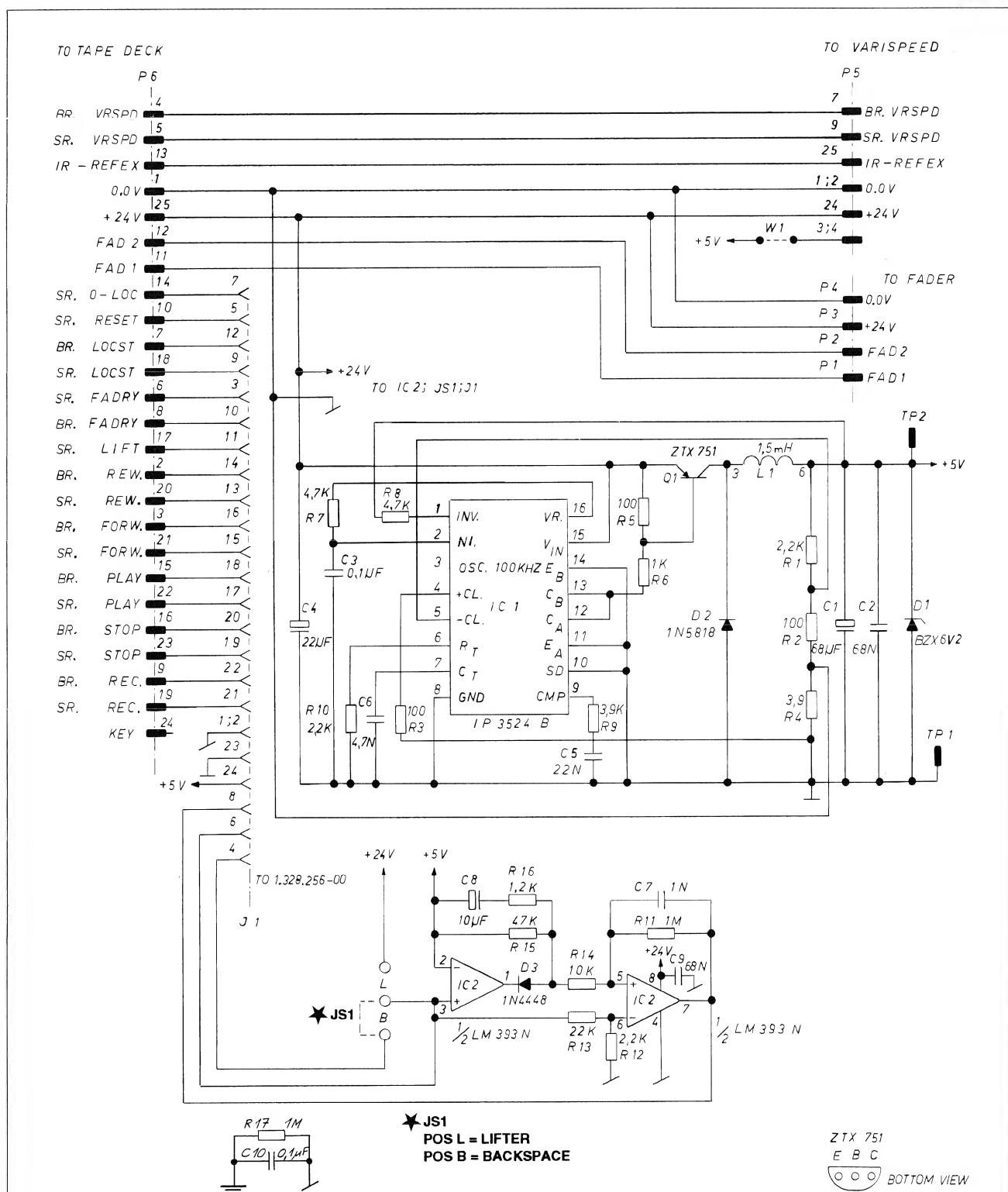
Note 3 - Switch: Studer 55.03.0261, Refi 5.13001.110
Extender: Studer 55.03.0262, Refi 5.55101.690

Ce=Ceramic, El=Electrolytic, Sa=Solid aluminum, PETP=Polyesterfilm,
Pp=Polypropylene.
MANUFACTURER: CM=Chicago Minatur, Fc=Fairchild,
GI=General Instruments, HP=Hewlett Packard,
IT=Intertek, N=National Semiconductor, Ph=Philips, Ses=Sescom,
NS=National Semiconductor, St=Studer, Th=Thomson,
Ti=Texas Instruments, Tf=Telefunken.

1.328.251.81 TAPE DECK REMOTE CONTROL ML 94/01/2600

TAPE DECK REMOTE CONTROL MODULE (PARALLEL) 1.328.255.81

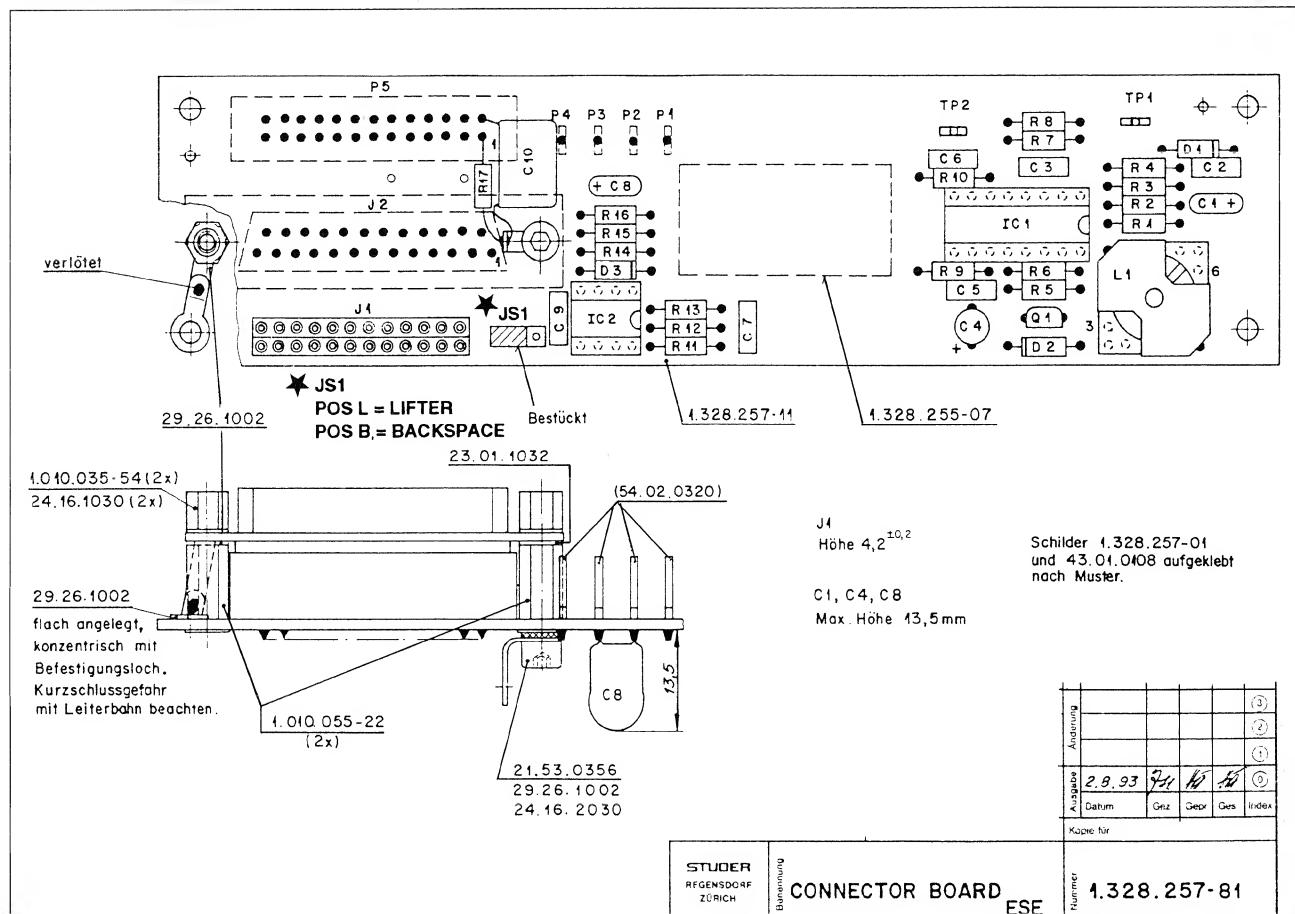
- Connector PCB 1.328.257.81



02.08.93 C. METZ
	MODUL	PARALLEL	A 7 2 7 , A 8 1 2 , A 8 2 0	PAGE 1 OF 1
STUDER	CONNECTOR	BOARD	SC	1 , 3 2 8 . 2 5 7 - 8 1

TAPE DECK REMOTE CONTROL MODULE (PARALLEL) 1.328.255.81

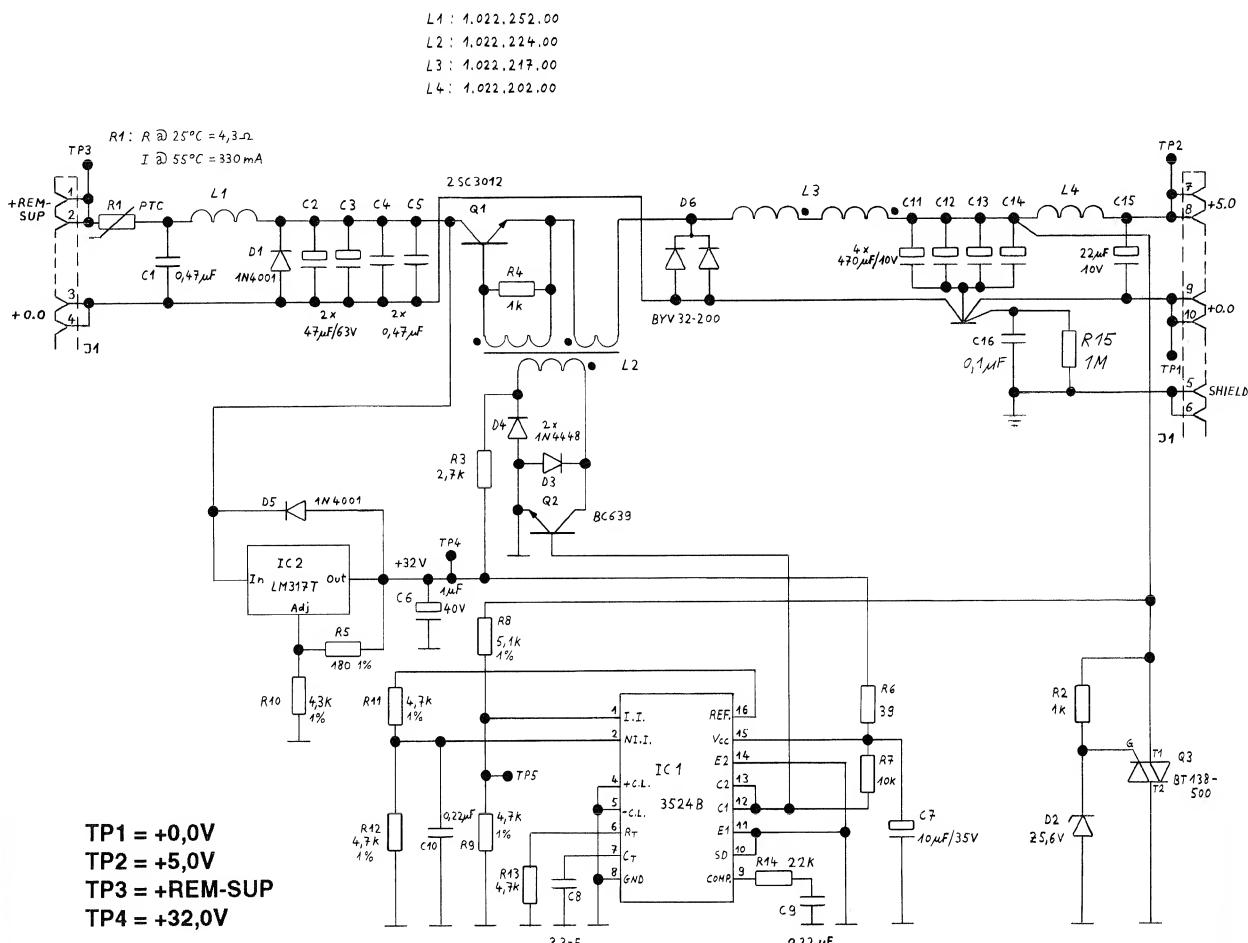
- Connector PCB 1.328.257.81



Ad	POS.	REF.No...	DESCRIPTION.....	MANUFACTURER	Ad	POS.	REF.No...	DESCRIPTION.....	MANUFACTURER
C.....1	59.26.0680	68 u	20%, 6.3V, SAL		R....11	57.11.3105	1 M	1%, 0207 , MF	
C.....2	59.06.0683	0.068 u	10%, 63V, PETP		R....12	57.11.3222	2.2 k	1%, 0207 , MF	
C.....3	59.06.0104	0.1 u	10%, 63V, PETP		R....13	57.11.3223	22 k	1%, 0207 , MF	
C.....4	59.22.6220	22 u	-20%, 35V, EL		R....14	57.11.3103	10 k	1%, 0207 , MF	
C.....5	59.06.0223	0.022 u	10%, 63V, PETP		R....15	57.11.3473	47 k	1%, 0207 , MF	
C.....6	59.06.0472	4700 p	10%, 63V, PETP		R....16	57.11.3122	1.2 k	1%, 0207 , MF	
C.....7	59.06.0102	1000 p	10%, 63V, PETP		R....17	57.11.3105	1 M	1%, 0207 , MF	
C.....8	59.26.2100	10 u	20%, 16V, SAL		TP....1	54.02.0320	2.8 * 0.8	Soldering pin	
C.....9	59.06.0683	0.068 u	10%, 63V, PETP		TP....2	54.02.0320	2.8 * 0.8	Soldering pin	
C....10	59.03.2104	0.1 u	10%, 160V, PETP		W....1	1.010.324.64	4.3 * 10.2	Bridge (not inserted)	
D.....1	50.04.1118	BZX 6V2	5%, 6.2V, 0.40 W, Z,		Note 1: Jumper				
D.....2	50.04.0512	1 N 5818	Schottky	Mot.	Contact Pin: Studer Nr. 54.01.0020				
D.....3	50.04.0125	1 N 4448	75 V; 100 mA; Si.		Berg Nr. 77 311-102-36				
IC....1	50.05.0279	IP 3524 B	Regulating pulse width modulator	IPS.	Philips Nr. 2422 062 43241				
IC....2	50.05.0283	LM 393 N	Dual low power comparator	TI.	Fawag Nr. AS 1-034/058-36 G-0.75u Au				
J....1	53.03.0218	2 * 12 Pin	Socket terminal strip		Bridge : Studer Nr. 54.01.0021				
J....2	54.13.0023	D-type, 25 pin	print female connector		Berg Nr. 65 474-001				
JS....1	54.01.0021	2 * 0.63	Jumper (See Note 1)		Philips Nr. 2422 024 88003				
L....1	1.022.197.00	1,5 mH	Choke	St.	AMP Nr. 141 767-1				
P....1	54.02.0320	2.8 * 0.8	Soldering pin						
P....2	54.02.0320	2.8 * 0.8	Soldering pin						
P....3	54.02.0320	2.8 * 0.8	Soldering pin						
P....4	54.02.0320	2.8 * 0.8	Soldering pin						
P....5	54.14.2003	26 Pin	print male connector						
Q....1	50.03.0352	ZTX 751 S	60 V, 2 A, PNP Si.	Fe.	MANUFACTURERS : Fe=Ferranti, IPS=Integrated Power Semiconductors Limited, Mot=Motorola, St=Studer, TI=Texas Instruments				
R....1	57.11.3222	2.2 k	1%, 0207 , MF		1.328.257.81 CONNECTORS BOARD				GP 93/08/0200
R....2	57.11.3101	100	1%, 0207 , MF						
R....3	57.11.3101	100	1%, 0207 , MF						
R....4	57.11.3399	3.9	1%, 0207 , MF						
R....5	57.11.3101	100	1%, 0207 , MF						
R....6	57.11.3102	1.0 k	1%, 0207 , MF						
R....7	57.11.3472	4.7 k	1%, 0207 , MF						
R....8	57.11.3472	4.7 k	1%, 0207 , MF						
R....9	57.11.3392	3.9 k	1%, 0207 , MF						
R....10	57.11.3222	2.2 k	1%, 0207 , MF						

REMOTE TIMER / LAP MODE DISPLAY 1.328.270.00

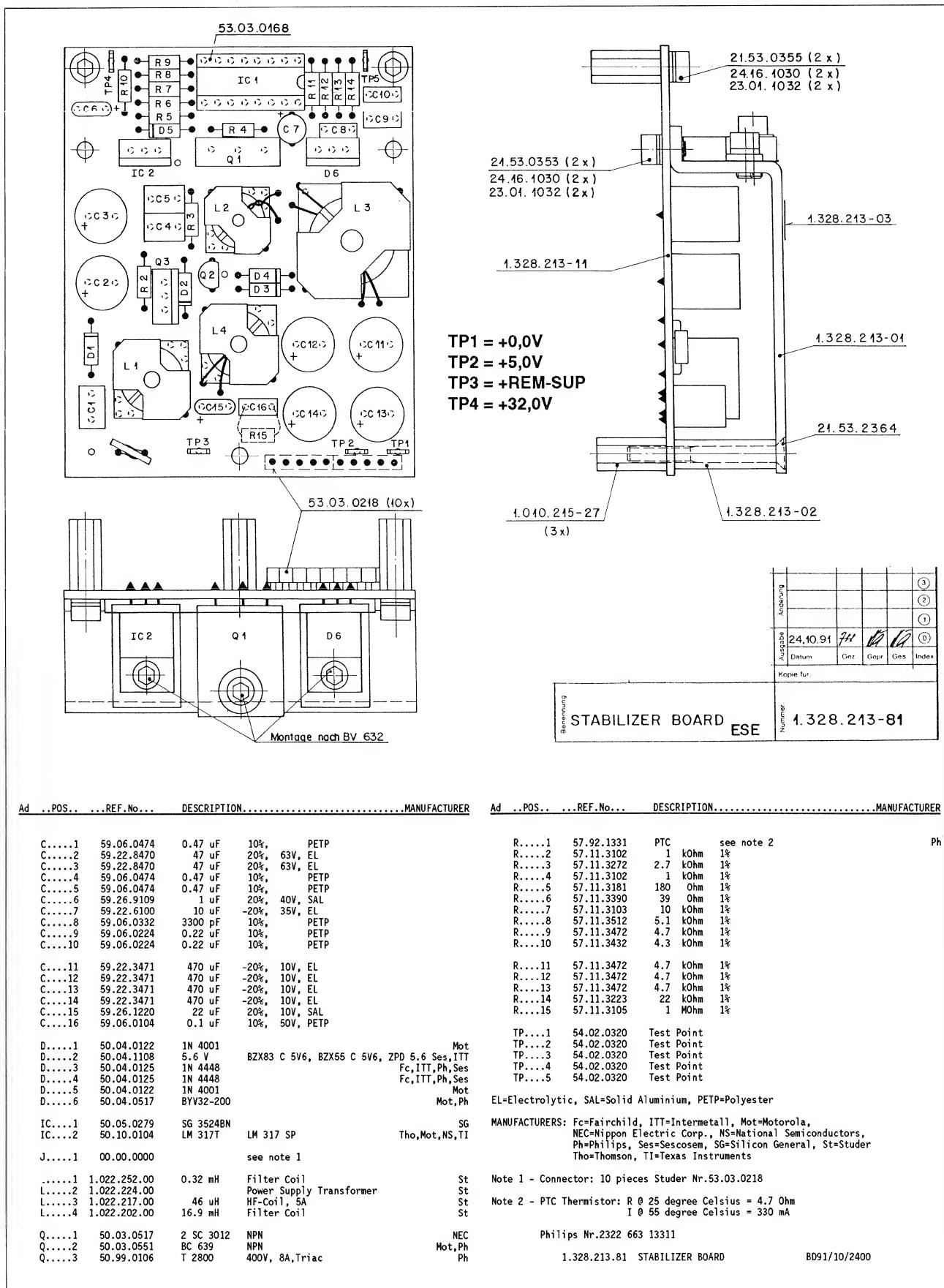
- Stabilizer PCB 1.328.213.81



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				PAGE 1 OF 1
STUDER	STABILIZER BOARD			SC 1.328.213.81

REMOTE TIMER / LAP MODE DISPLAY 1.328.270.00

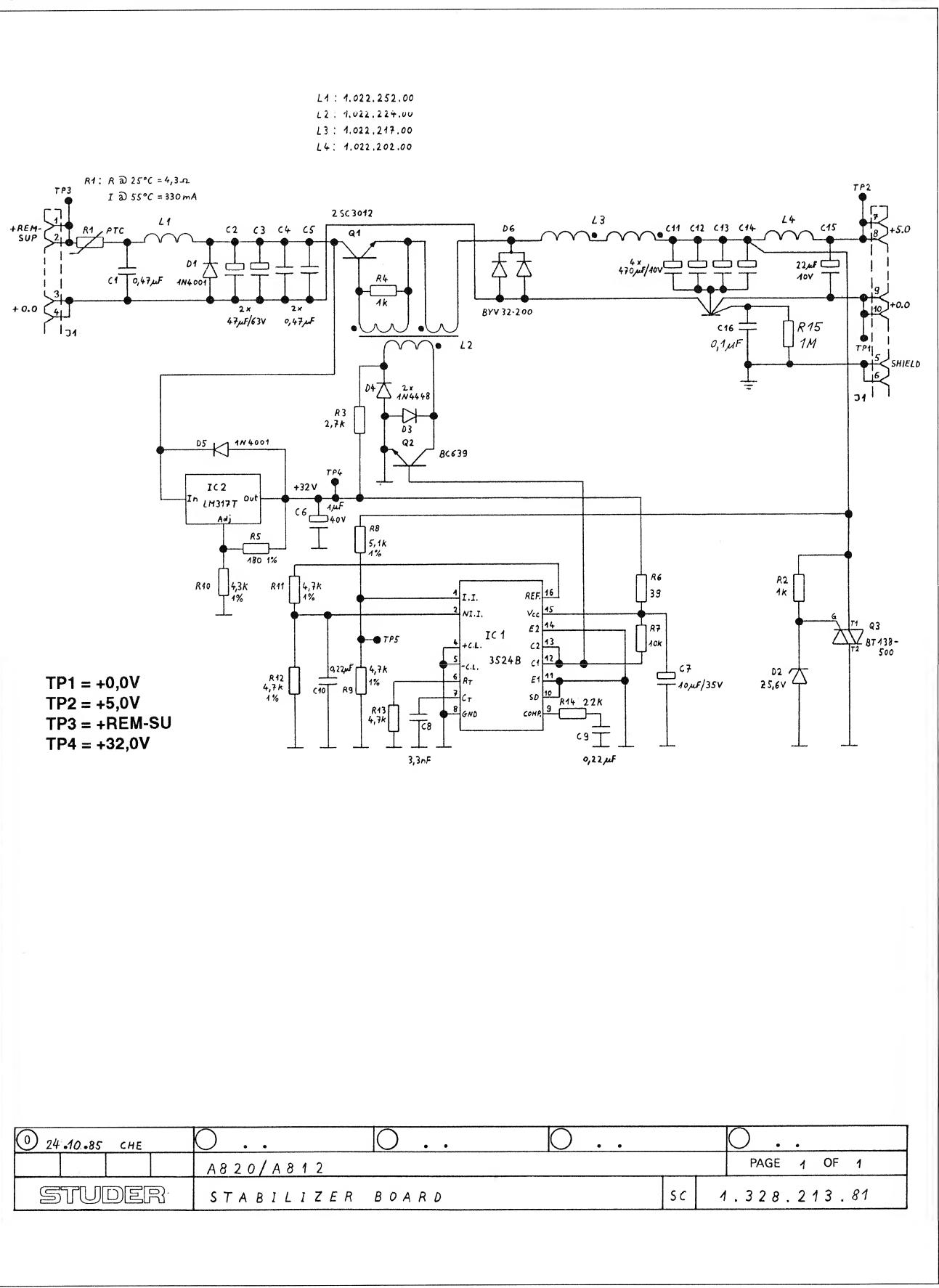
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REMOTE CONTROL CABINET (SERIAL) 1.328.210.81

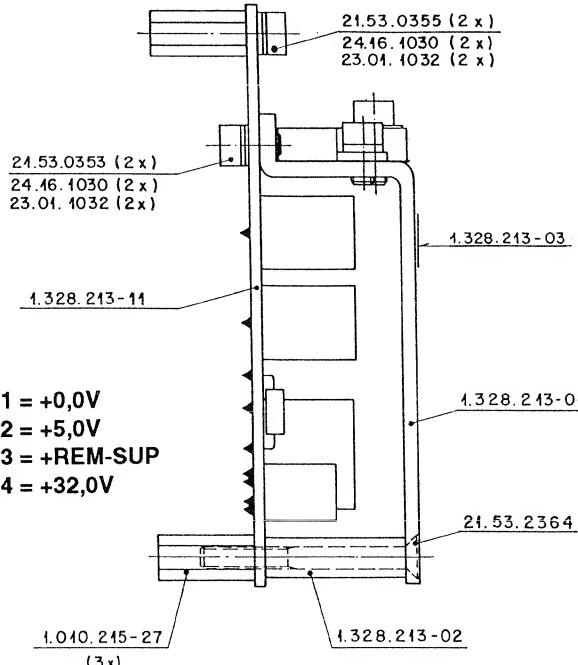
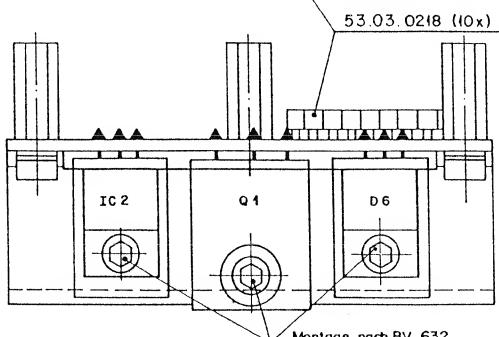
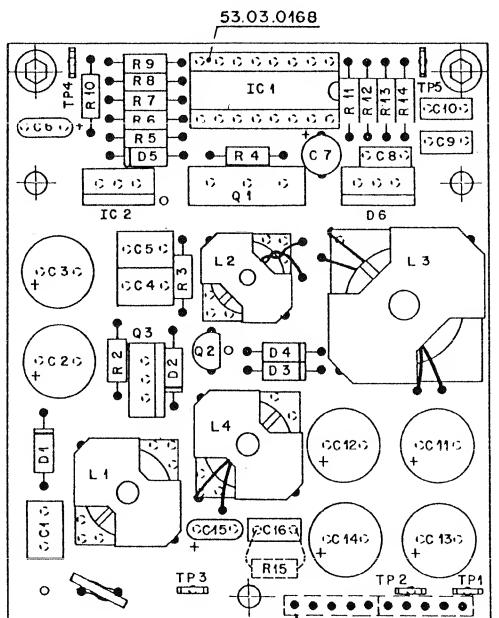
REMOTE CONTROL MODULE (SERIAL) 1.328.220.81

- Stabilizer PCB 1.328.213.81



REMOTE CONTROL CABINET (SERIAL) 1.328.210.81
REMOTE CONTROL MODULE (SERIAL) 1.328.220.81

- Stabilizer PCB 1.328.213.81



Ausgabe	Andeutung	(③)
		(②)
		(①)
24.10.91	94	00
Datum	Gez	Ges
		Index
Kopie für		

STUDER
REGENSDORF
ZURICH

Berechnung
STABILIZER BOARD ESE

Nummer 1.328.213-81

Ad ...POS... ...REF.No... DESCRIPTION.....MANUFACTURER Ad ...POS... ...REF.No... DESCRIPTION.....MANUFACTURER

C.....1	59.06.0474	0.47 uF	10%, PETP
C.....2	59.22.8470	47 uF	20%, 63V, EL
C.....3	59.22.8470	47 uF	20%, 63V, EL
C.....4	59.06.0474	0.47 uF	10%, PETP
C.....5	59.06.0474	0.47 uF	10%, PETP
C.....6	59.26.9109	1 uF	20%, 40V, SAL
C.....7	59.22.6109	10 uF	-20%, 35V, EL
C.....8	59.06.0332	3300 pF	10%, PETP
C.....9	59.06.0224	0.22 uF	10%, PETP
C....10	59.06.0224	0.22 uF	10%, PETP

C....11	59.22.3471	470 uF	-20%, 10V, EL
C....12	59.22.3471	470 uF	-20%, 10V, EL
C....13	59.22.3471	470 uF	-20%, 10V, EL
C....14	59.22.3471	470 uF	-20%, 10V, EL
C....15	59.26.1220	22 uF	20%, 10V, SAL
C....16	59.06.0104	0.1 uF	10%, 50V, PETP

D.....1	50.04.0122	1N 4001	Mot
D.....2	50.04.1108	5.6 Y	BZX83 C 5V6, BZX55 C 5V6, ZPD 5.6 Ses, ITT
D.....3	50.04.0125	1N 4448	Fc, ITT, Ph, Ses
D.....4	50.04.0125	1N 4448	Fc, ITT, Ph, Ses
D.....5	50.04.0122	1N 4001	Mot
D.....6	50.04.0517	BYV32-200	Mot, Ph

IC....1	50.05.0279	SG 3524BN	SG
IC....2	50.10.0104	LM 317 T	Tho, Mot, NS, TI

J....1	00.00.0000	see note 1	
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L....1	1.022.252.00	0.32 mH	Filter Coil
L....2	1.022.224.00		Power Supply Transformer
L....3	1.022.217.00	46 uH	HF-Coil, 5A
L....4	1.022.202.00	16.9 mH	Filter Coil

Q....1	50.03.0517	2 SC 3012	NPN
Q....2	50.03.0551	BC 639	NPN
Q....3	50.99.0106	T 2800	400V, 8A, Triac

R.....1	57.92.1331	PTC	see note 2	Ph
R.....2	57.11.3102	1 kOhm	1%	
R.....3	57.11.3272	2.7 kOhm	1%	
R.....4	57.11.3102	1 kOhm	1%	
R.....5	57.11.3181	180 Ohm	1%	
R.....6	57.11.3390	39 Ohm	1%	
R.....7	57.11.3103	10 kOhm	1%	
R.....8	57.11.3512	5.1 kOhm	1%	
R.....9	57.11.3472	4.7 kOhm	1%	
R....10	57.11.3432	4.3 kOhm	1%	

R....11	57.11.3472	4.7 kOhm	1%	Ph
R....12	57.11.3472	4.7 kOhm	1%	
R....13	57.11.3472	4.7 kOhm	1%	
R....14	57.11.3223	22 kOhm	1%	
R....15	57.11.3105	1 MOhm	1%	

TP....1	54.02.0320	Test Point		
TP....2	54.02.0320	Test Point		
TP....3	54.02.0320	Test Point		
TP....4	54.02.0320	Test Point		
TP....5	54.02.0320	Test Point		

EL=Electrolytic, SAL=Solid Aluminium, PETP=Polyester

Mot=Motorola, Fc=Fairchild, ITT=Intermetall, NS=National Semiconductor, NEC=Nippon Electric Corp., St=Studer

Ph=Philips, Ses=Sescom, SG=Silicon General, TI=Texas Instruments

Note 1 - Connector: 10 pieces Studer Nr.53.03.0218

Note 2 - PTC Thermistor: R @ 25 degree Celsius = 4.7 Ohm

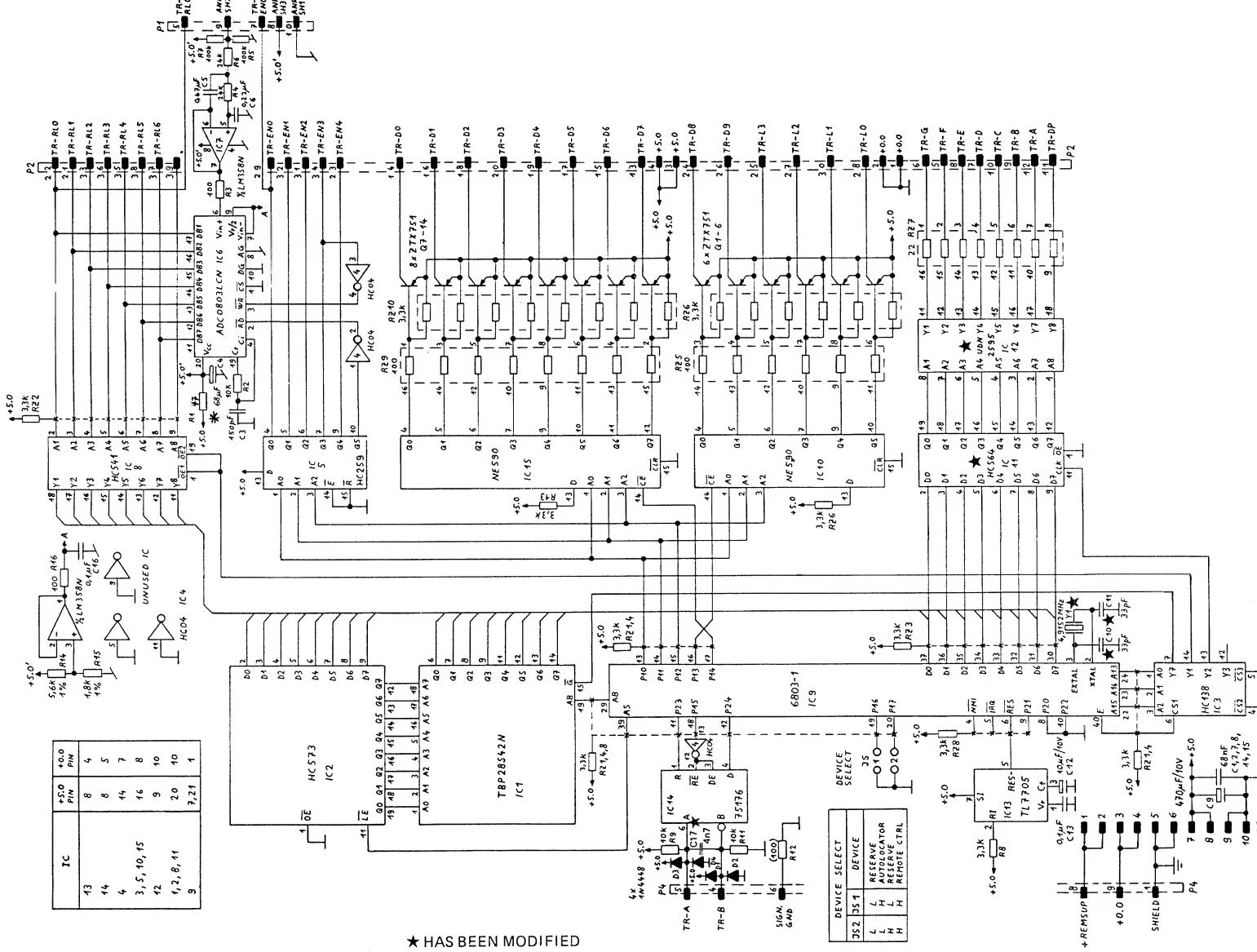
I @ 55 degree Celsius = 330 mA

Philips Nr.2322 663 13311

1.328.213.81 STABILIZER BOARD

BD91/10/2400

REMOTE CONTROL CABINET (SERIAL) 1.328.210.81
 REMOTE CONTROL MODULE (SERIAL) 1.328.220.81
 - Remote Control Driver PCB 1.328.211.25



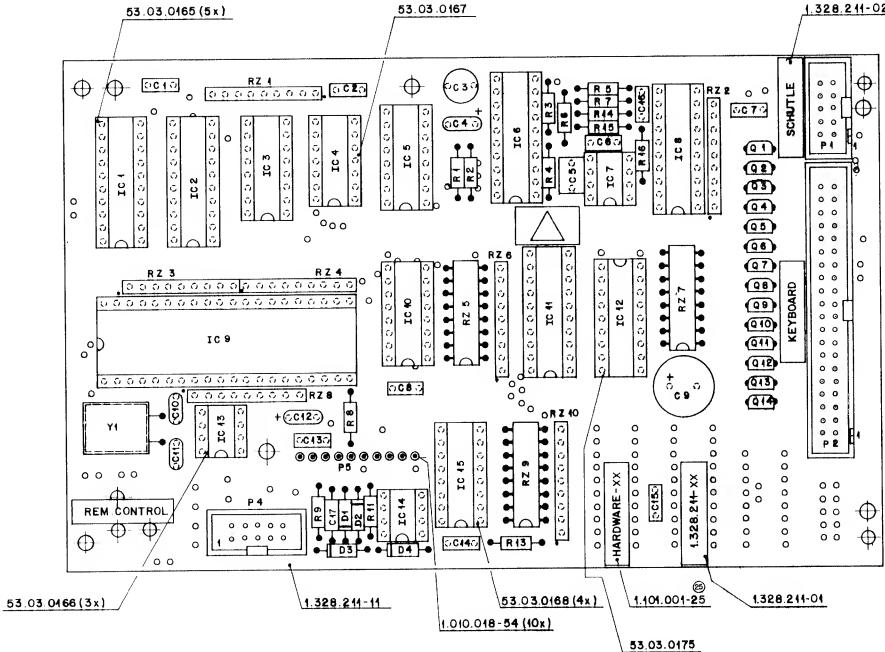
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(2) 04.01.85 CHE	(2) 28.08.86 CHE	(2) 08.12.86	(2) 05.06.87	(2) 25.09.83 Dub
A 8 2 0 / A 8 1 2				PAGE 1 OF 1
STUDER REMOTE CONTROL DRIVER BOARD ESE				SC 1.328.211.25

REMOTE CONTROL CABINET (SERIAL) 1.328.210.81
REMOTE CONTROL MODULE (SERIAL) 1.328.220.81

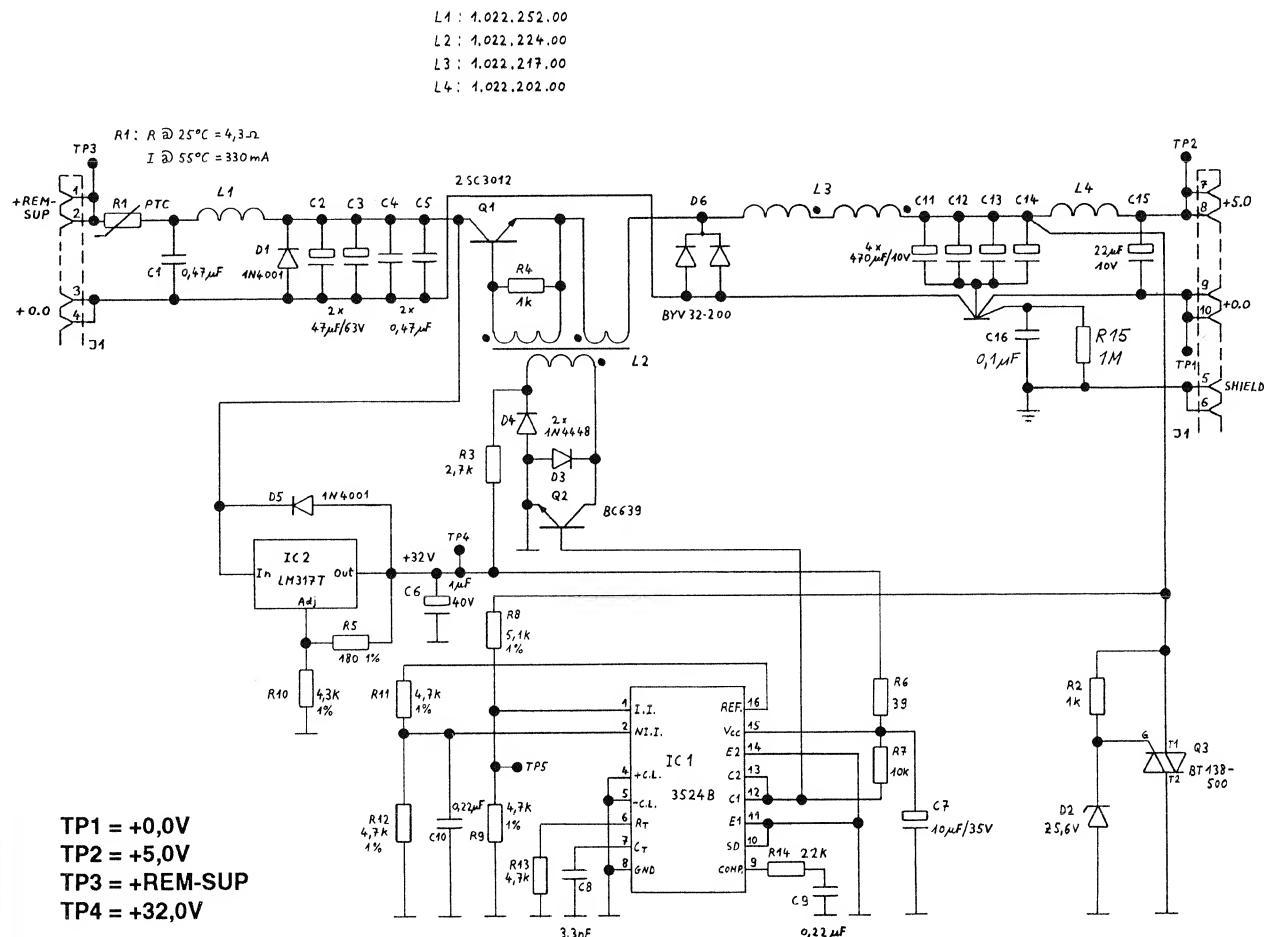
REMOTE CONTROL MODULE (SERIAL) 1.328.220.8

- Remote Control Driver PCB 1.328.211.25



Ad ..	POS..	REF.No...	DESCRIPTION.....	MANUFACTURER	Ad ..	POS..	REF.No...	DESCRIPTION.....	MANUFACTURER
20	C....1	59.06.0683	68 nF	10%, 63V, PETP	21	Y....1	89.01.0560	HC-49/V	4.9152 MHz, +20ppm Quartz AG,ITT,Saronix
C....2	59.06.0683	68 nF	10%, 63V, PETP	(20) 01.02.85 PC8 lay-out -11.					
C....3	59.06.0683	120 nF	20%, 63V, PETP	(21) 01.12.86 SN75498M delivered for spare purpose only, new					
C....4	59.06.0683	68 uF	10%, 6.3V, Sel	devices IC11 and IC12.					
C....5	59.06.0474	470 nF	10%, 63V, PETP	-11%, C11, C12 Improved accuracy of quartz frequency.					
C....6	59.06.0224	220 nF	10%, 63V, PETP	(22) 08.12.86 Extended Autolocator key Board.					
C....7	59.06.0224	100 nF	10%, 63V, PETP	(23) 05.06.87 Software 29/87.					
C....8	59.06.0683	68 nF	10%, 63V, PETP	(24) 25.09.89 Improved noise suppression on differential line.					
C....9	59.22.3471	470 uF	-20%, 10V, El	(25) 12.12.90 Ripple on AD-converter supply reduced.					
C....10	59.34.2220	22 pF	5%, N150, Cer						
C....10	59.34.2330	33 pF	5%, N150, Cer	Note 2 - Connector: 10 Contacts					
C....11	59.34.2330	33 pF	5%, N150, Cer	Studer Nr. 54.14.2001					
C....12	59.26.1100	10 uF	20%, 10V, Sel	Yamachi Nr. FAP-10-08/4					
C....13	59.06.0104	100 nF	10%, 63V, PETP	Burndy Nr. 8PH 7 B 10 800 GS					
C....14	59.06.0104	68 nF	10%, 63V, PETP						
C....15	59.06.0683	68 nF	10%, 63V, PETP	Note 3 - Connector: 40 Contacts					
C....16	59.06.0104	100 nF	10%, 63V, PETP	Studer Nr. 54.14.2004					
C....17	59.03.2472	4.7 nF	10%, 63V, PETP	Yamachi Nr. FAP-40-08/4					
C....17	59.03.2472	4.7 nF	10%, 63V, PETP	Burndy Nr. 8PH 9 8 40 300 GS					
D....1	50.04.0125	IN 4448	Fc,ITT,Ph,Ses,Tf	Note 4 - Connector: 10 Pieces					
D....2	50.04.0125	IN 4448	Fc,ITT,Ph,Ses,Tf	Studer Nr. 1.010.018.5					
D....3	50.04.0125	IN 4448	Fc,ITT,Ph,Ses,Tf	Cer=Ceramic, El=Electrolytic, PETP=Polyester Film, PP=Polypropylene,					
D....4	50.04.0125	IN 4448	Fc,ITT,Ph,Ses,Tf	Sel=Solid Aluminum.					
I....1	50.14.0120	TBP28542N	Software 13/85	MANUFACTURERS: Fc=Fairchild, Fc=Ferranti, Hitachi, Is=Intel,					
I....2	50.13.999.21		Software 50/85	ITT=Intertec, Hot=Motorola, NS=National Semiconductors					
I....3	50.13.999.21		Software 13/85	Pp=Philips, Rca=RCA Corporation, Ses=Siemens, Sgs=Sgs/Tes,					
I....4	50.17.1573	74 HC 573	74 HC 573	Sig=Signetics, Sp=Sprague, St=Studer, Tf=Telefunken,					
I....5	50.17.1573	74 HC 573	74 HC 573	Ti=Texas Instruments, To=Toshiba.					
I....6	50.17.1573	74 HC 138	74 HC 138						
I....7	50.17.1573	74 HC 04	74 HC 04						
I....8	50.17.1573	74 HC 259	74 HC 259						
I....9	50.07.0269	AD8030CN							
I....10	50.05.0286	LM 358 N	LM 358 P						
I....11	50.17.1573	LM 358 P	74 HC 541						
I....12	50.17.1573	74 HC 541	74 HC 541						
I....13	50.17.1573	HD 6803P-1	HD 6803P-1						
I....14	50.15.0102	NE 590 N	NE 590 N						
I....15	50.15.0102	NE 590 N	NE 590 N						
I....16	50.15.0102	not used	not used						
I....17	50.15.0102	not used	not used						
P....1	see note 2								
P....2	see note 3								
P....3	not used								
P....4	see note 2								
P....5	see note 4								
P....6									
P....7									
P....8									
P....9									
P....10									
P....11	50.03.0352	ZTX 751 S	ZTX 751 S						
P....12	50.03.0352	ZTX 751 S	ZTX 751 S						
P....13	50.03.0352	ZTX 751 S	ZTX 751 S						
P....14	50.03.0352	ZTX 751 S	ZTX 751 S						
P....15	50.03.0352	ZTX 751 S	ZTX 751 S						
P....16	50.03.0352	ZTX 751 S	ZTX 751 S						
P....17	50.03.0352	ZTX 751 S	ZTX 751 S						
R....1	57.11.3100	10 Ohm	2%	Fe					
R....2	57.11.3470	47 Ohm	2%	Fe					
R....3	57.11.3470	100 Ohm	2%	Fe					
R....4	57.11.3101	100 Ohm	2%	Fe					
R....5	57.11.3243	24 KOhm	1%	Fe					
R....6	57.11.3243	10 KOhm	2%	Fe					
R....7	57.11.3344	10 KOhm	2%	Fe					
R....8	57.11.3332	3.3 KOhm	2%	Fe					
R....9	57.11.3103	10 KOhm	2%	Fe					
R....10	57.11.3102	1 KOhm	2%	Fe					
R....11	57.11.3103	not used	replaced by C17	Fe					
R....12	57.11.3103	not used		Fe					
R....13	57.11.3332	3.3 KOhm	2%	Fe					
R....14	57.11.3332	5.6 KOhm	1%	Fe					
R....15	57.11.3182	1.8 KOhm	1%	Fe					
R....16	57.11.3101	100 Ohm	2%	Fe					
RZ....1	57.48.4332			Network, 8 * 3.3 Kohm, 5%, single line					
RZ....2	57.48.4332			Network, 8 * 3.3 Kohm, 5%, single line					
RZ....3	57.48.4332			Network, 8 * 3.3 Kohm, 5%, single line					
RZ....4	57.48.4332			Network, 8 * 3.3 Kohm, 5%, single line					
RZ....5	57.48.4332			Network, 8 * 100 Ohm, 2%, DIL 16					
RZ....6	57.48.4332			Network, 8 * 100 Ohm, 2%, DIL 16					
RZ....7	57.48.4332			Network, 8 * 100 Ohm, 2%, DIL 16					
RZ....8	57.48.4332			Network, 8 * 100 Ohm, 2%, DIL 16					
RZ....9	57.48.4332			Network, 8 * 100 Ohm, 2%, DIL 16					
RZ....10	57.48.4332			Network, 8 * 100 Ohm, 2%, DIL 16					
RZ....11	not used			Network, 8 * 3.3 Kohm, 5%, single line					
Y....1	89.01.0553	4.9152 MHz	+/-100 ppm, Nymph Nr. TD 18/NMP 049	Network, 8 * 3.3 Kohm, 5%, single line					

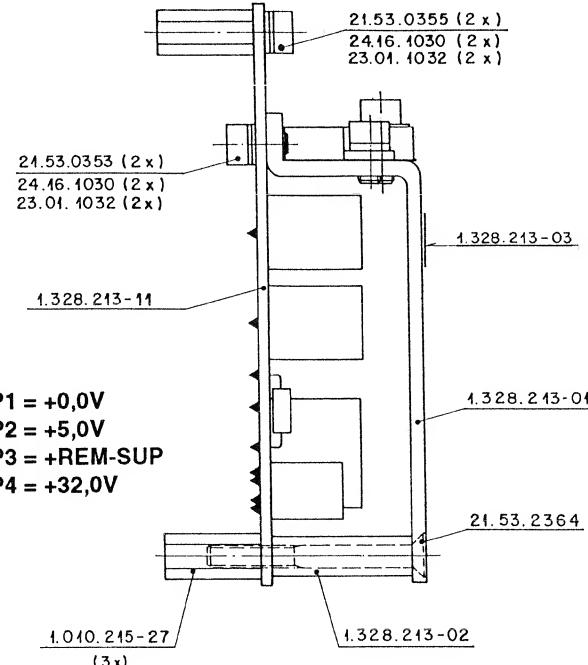
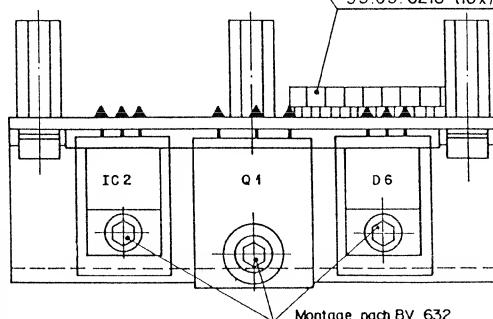
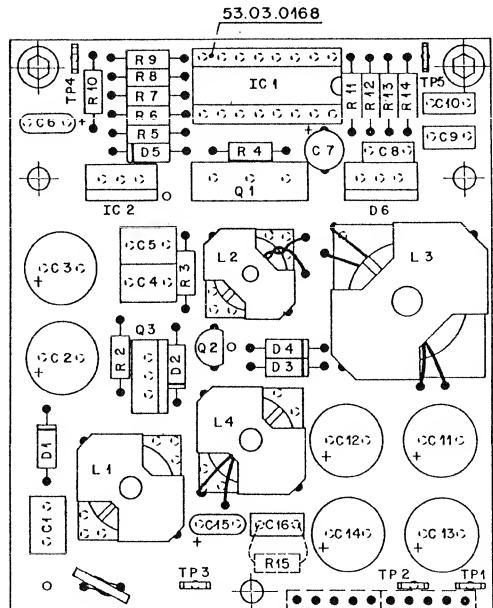
AUTOLOCATOR MODULE 1.328.230.82
AUTOLOCATOR CABINET 1.328.240.82
- Stabilizer Board 1.328.213.81



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STUDER	STABILIZER BOARD			SC 1.328.213.81

AUTOLOCATOR MODULE 1.328.230.82
AUTOLOCATOR CABINET 1.328.240.82

- Stabilizer Board 1.328.213.81



Anordnung			(3)
Ausgabe			(2)
Datum	Gez.	Gep.	Ges.
Kopie für:			(1)
STUDER			
REGENSDORF			
ZURICH			
Bestellung			
STABILIZER BOARD ESE			
Nummer:	1.328.213-81		

Ad	POS.	REF.No...	DESCRIPTION.....	MANUFACTURER	Ad	POS.	REF.No...	DESCRIPTION.....	MANUFACTURER	Ph
C.....1	59.06.0474	0.47 uF	10%, PETP		R.....1	57.92.1331	PTC	see note 2		
C.....2	59.22.8470	47 uF	20%, 63V, EL		R.....2	57.11.3102	1 kOhm	1%		
C.....3	59.22.8470	47 uF	20%, 63V, EL		R.....3	57.11.3272	2.7 kOhm	1%		
C.....4	59.06.0474	0.47 uF	10%, PETP		R.....4	57.11.3102	1 kOhm	1%		
C.....5	59.06.0474	0.47 uF	10%, PETP		R.....5	57.11.3181	180 Ohm	1%		
C.....6	59.26.9109	1 uF	20%, 40V, SAL		R.....6	57.11.3390	39 Ohm	1%		
C.....7	59.22.6100	10 uF	-20%, 35V, EL		R.....7	57.11.3103	10 kOhm	1%		
C.....8	59.06.0332	3300 pF	10%, PETP		R.....8	57.11.3512	5.1 kOhm	1%		
C.....9	59.06.0224	0.22 uF	10%, PETP		R.....9	57.11.3472	4.7 kOhm	1%		
C.....10	59.06.0224	0.22 uF	10%, PETP		R.....10	57.11.3432	4.3 kOhm	1%		
C.....11	59.22.3471	470 uF	-20%, 10V, EL		R.....11	57.11.3472	4.7 kOhm	1%		
C.....12	59.22.3471	470 uF	-20%, 10V, EL		R.....12	57.11.3472	4.7 kOhm	1%		
C.....13	59.22.3471	470 uF	-20%, 10V, EL		R.....13	57.11.3472	4.7 kOhm	1%		
C.....14	59.22.3471	470 uF	-20%, 10V, EL		R.....14	57.11.3223	22 kOhm	1%		
C.....15	59.26.1220	22 uF	20%, 10V, SAL		R.....15	57.11.3105	1 MOhm	1%		
C.....16	59.06.0104	0.1 uF	10%, 50V, PETP		TP.....1	54.02.0320	Test Point			
D.....1	50.04.0122	IN 4001		Mot	TP.....2	54.02.0320	Test Point			
D.....2	50.04.1108	5.6 V	BZX83 C 5V6, BZX55 C 5V6, ZPD 5.6 Ses, ITT		TP.....3	54.02.0320	Test Point			
D.....3	50.04.0125	IN 4448		Fc, ITT, Ph, Ses	TP.....4	54.02.0320	Test Point			
D.....4	50.04.0125	IN 4448		Fc, ITT, Ph, Ses	TP.....5	54.02.0320	Test Point			
D.....5	50.04.0122	IN 4001		Mot						
D.....6	50.04.0517	BYV32-200		Mot, Ph						
IC.....1	50.05.0279	SG 3524BN		SG						
IC.....2	50.10.0104	LM 317T	LM 317 SP	Tho, Mot, NS, TI						
J.....1	00.00.0000		see note 1							
L.....1	1.022.252.00	0.32 mH	Filter Coil	St						
L.....2	1.022.224.00		Power Supply Transformer	St						
L.....3	1.022.217.00	46 uH	HF-Coil, 5A	St						
L.....4	1.022.202.00	16.9 mH	Filter Coil	St						
Q.....1	50.03.0517	2 SC 3012	NPN	NEC						
Q.....2	50.03.0551	BC 639	NPN	Mot, Ph						
Q.....3	50.99.0106	T 2800	400V, 8A, Triac	Ph						
								Philips Nr.2322 663 13311		
								1.328.213.81 STABILIZER BOARD		
									BD91/10/2400	